

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|---------------|-------|-------------|
| 24644056_c2_395 | 1716 | 6938 | 350 | 1053 | 698 | 9.5e-69 |
| Protein name | | | | Locus Name | | Acc# |
| | | | | sp:PDXB_ECOLI | | P05459 |

Description

ERYTHRONATE-4-PHOSPHATE DEHYDROGENASE,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-----------|------------|-------|-------------|
| 24645461_f1_19 | 1717 | 6939 | 207 | 624 | 889 | 5.5e-89 |
| Protein name | | | | Locus Name | | Acc# |
| tetracycline resistance element mobilization regulatory protein rteC | | | | pir:A36927 | | A36927 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------|------|------|-----------|------------|-------|-------------|
| 24647250_f1_84 | 1718 | 6940 | 263 | 792 | 377 | 9.9e-35 |
| Protein name | | | | Locus Name | | Acc# |
| acetylglutamate kinase | | | | pir:F69111 | | F69111 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------------|------|------|-----------|---------------|-------|-------------|
| 24647942_c1_284 | 1719 | 6941 | 505 | 1518 | 198 | 6.1e-22 |
| Protein name | | | | Locus Name | | Acc# |
| auxin-responsive GH3-like protein | | | | gp:ATAC005396 | | AC005396 |

Description

Arabidopsis thaliana chromosome II BAC T26I20 genomic sequence, complete sequence.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24650067_f3_257 | 1720 | 6942 | 173 | 522 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24695282_f3_176 | 1721 | 6943 | 136 | 411 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24782036_f3_198 | 1722 | 6944 | 599 | 1800 | 161 | 2.2e-15 |

Protein name

Locus Name

Acc#

sp:REP_BUCAP

051889

Description

ATP-DEPENDENT DNA HELICASE REP,

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 25398427_f1_68 | 1723 | 6945 | 489 | 1470 | 416 | 7.3e-39 |

Protein name

Locus Name

Acc#

unknown

gp:AF144879

AF144879

Description

Leptospira interrogans rfb locus, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-------------------|-------|-------------|
| 25578201_f1_70 | 1724 | 6946 | 343 | 1032 | 537 | 1.1e-51 |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| | | | | sp:LPSA_BACNO | | P39907 |

Description

LPSA PROTEIN

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-----------|-------------------|-------|-------------|
| 259837_f2_111 | 1725 | 6947 | 658 | 1977 | 3380 | 0.0 |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| tetracycline resistance protein tetQ:tetA(Q)2 | | | | pir:I40188 | | |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------|------|------|-----------|-------------------|-------|-------------|
| 2617942_c2_450..... | 1726 | 6948 | 703 | 2112 | 309 | 1.6e-24 |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| mobilization protein C | | | | gp:AF118243 | | AF118243 |

Description

Bacteroides fragilis mobilization protein C (mobC) gene, completecds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-------------------|-------|-------------|
| 26462933_f3_255..... | 1727 | 6949 | 249 | 750 | | |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| | | | | | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26571900_f3_173 | 1728 | 6950 | 233 | 702 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26584437_f1_81 | 1729 | 6951 | 599 | 1800 | 216 | 3.4e-25 |

Protein name

Locus Name

Acc#

sp:HS90_PODAN

043109

Description

INCOMPATIBILITY MOD-E)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26600927_f2_132 | 1730 | 6952 | 209 | 630 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26759678_f3_249 | 1731 | 6953 | 612 | 1839 | 872 | 4.6e-91 |

Protein name

Locus Name

Acc#

ABC transporter (ATP-binding protein) homolog
ygaD

pir:G69815

G69815

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26818752_c2_422 | 1732 | 6954 | 135 | 408 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 2923125_f3_254 | 1733 | 6955 | 119 | 360 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 29344216_c1_317 | 1734 | 6956 | 474 | 1425 | 80 | 0.032 |

Protein name

Locus Name

Acc#

M protein precursor

pir:S60858

S60858

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 2947141_f2_94 | 1735 | 6957 | 117 | 354 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 29573763_f3_197 | 1736 | 6958 | 409 | 1230 | 252 | 2.4e-19 |

Protein name

Locus Name

Acc#

hypothetical protein Rv0597c

pir:H70908

H70908

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 29869676_f1_44 | 1737 | 6959 | 296 | 891 | 149 | 2.7e-09 |

Protein name

Locus Name

Acc#

sp:PRIM_LISMO

P47762

Description

DNA PRIMASE,

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 31736291_f2_93 | 1738 | 6960 | 177 | 534 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 31814442_g3_526..... | 1739 | 6961 | 266 | 801 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 31885192_f3_195..... | 1740 | 6962 | 68 | 207 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 31892650_c1_351 | 1741 | 6963 | 807 | 2424 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 33245255_c2_378 | 1742 | 6964 | 74 | 225 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 33399058_f2_118 | 1743 | 6965 | 653 | 1962 | 172 | 1.5e-10 |

Protein name

Locus Name

Acc#

sp:VOLD_BPP2

P13520

Description

OVERCOMING LYSOGENIZATION DEFECT PROTEIN

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 33706251_f2_167 | 1744 | 6966 | 180 | 543 | 185 | 2.2e-14 |

Protein name

Locus Name

Acc#

putative RNA polymerase sigma factor (ECF

gp:SCE46

AL133252

Description

Streptomyces coelicolor cosmid E46.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 34037503_f3_170 | 1745 | 6967 | 99 | 300 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 34063441_f2_138 | 1746 | 6968 | 198 | 597 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 34178438_f3_244 | 1747 | 6969 | 272 | 819 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 34183402_f1_28 | 1748 | 6970 | 116 | 351 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 34199183_f3_212 | 1749 | 6971 | 627 | 1884 | 1219 | 5.9e-124 |

Protein name

Locus Name

Acc#

maturase-related protein (intL intron)

pir:S77648

S77648

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34268878_f1_27 | 1750 | 6972 | 160 | 483 | 81 | 0.0034 |

| Protein name | Locus Name | Acc# |
|-----------------------------|-------------|----------|
| glucosidase II beta-subunit | gp:AF066061 | AF066061 |

Description

Mus musculus glucosidase II beta-subunit gene, alternatively spliced products, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 35171937_c1_350 | 1751 | 6973 | 439 | 1320 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 35352031_c2_420 | 1752 | 6974 | 179 | 540 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 35725786_c1_300 | 1753 | 6975 | 152 | 459 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|------------|-----------|--------|-------------|
| 3933375_c3_520 | 1754 | 6976 | 430 | 1293 | 82 | 0.017 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein | | | pir:B72242 | | B72242 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 4007635_c3_521 | 1755 | 6977 | 93 | 282 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|---------------|-----------|--------|-------------|
| 414687_f1_55 | 1756 | 6978 | 232 | 699 | 479 | 1.5e-45 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:YLCA_ECOLI | | P77380 | |
| Description | | | | | | |

PROBABLE TRANSCRIPTIONAL REGULATORY PROTEIN YLCA

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 4192500_f2_150 | 1757 | 6979 | 367 | 1104 | 510 | 7.9e-49 |
| Protein name | | | Locus Name | | Acc# | |
| conserved hypothetical protein aq_1224 | | | pir:G70405 | | G70405 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------|------|------|------------|-----------|--------|-------------|
| 422552_f1_76 | 1758 | 6980 | 190 | 573 | 259 | 3.1e-22 |
| Protein name | | | Locus Name | | Acc# | |
| shikimate kinase | | | pir:A70487 | | A70487 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 4298525_c2_397 | 1759 | 6981 | 425 | 1278 | 1152 | 7.4e-117 |
| Protein name | | | Locus Name | | | Acc# |
| synthase, | | | pir:G69842 | | | G69842 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 4307136_f3_231 | 1760 | 6982 | 89 | 270 | | |
| Protein name | | | Locus Name | | | Acc# |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|------------|-----------|-------|-------------|
| 4707750_f1_72 | 1761 | 6983 | 311 | 936 | 288 | 2.9e-37 |
| Protein name | | | Locus Name | | | Acc# |
| hypothetical protein PH0424 | | | pir:A71153 | | | A71153 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|------------|-----------|-------|-------------|
| 475002_f3_189 | 1762 | 6984 | 63 | 192 | | |
| Protein name | | | Locus Name | | | Acc# |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|------------|-----------|-------|-------------|
| 4876592_f1_85 | 1763 | 6985 | 162 | 489 | | |
| Protein name | | | Locus Name | | | Acc# |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4884628_f3_232 | 1764 | 6986 | 456 | 1371 | 334 | 4.2e-30 |

Protein name

Locus Name

Acc#

copper resistance sensor kinase pcoS:copper sensor

pir:S52258

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 5272917_f3_233 | 1765 | 6987 | 887 | 2664 | 2321 | 9.8e-241 |

Protein name

Locus Name

Acc#

sp:ATMA_ECOLI

P39168

Description

MG(2+) TRANSPORT ATPASE, P-TYPE 1,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 6429200_f2_147 | 1766 | 6988 | 62 | 189 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------|------|------|-----------|-----------|-------|-------------|
| 6500_c1_275 | 1767 | 6989 | 64 | 195 | 73 | 0.031 |

Protein name

Locus Name

Acc#

sp:YGEG_ECOLI

Q46787

Description

HYPOTHETICAL 19.1 KD PROTEIN IN KDUI-LYSS INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 6532501_c2_461 | 1768 | 6990 | 438 | 1317 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 6814017_f1_30 | 1769 | 6991 | 126 | 381 | 70 | 0.033 |

Protein name

Locus Name

Acc#

41kd antigen

gp:A13461

A13461

Description

P.falciparum gene for 41kd antigen, clone 41-7.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 6828312_c2_396 | 1770 | 6992 | 82 | 249 | 266 | 5.7e-23 |

Protein name

Locus Name

Acc#

acyl carrier protein (ACP)

gp:ABACPF

X82399

Description

A.brasilense acpF gene.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 78126_f2_152 | 1771 | 6993 | 351 | 1056 | 710 | 5.1e-70 |

Protein name

Locus Name

Acc#

sp:K6PF_SYNY3

P72830

Description

(PHOSPHOHEXOKINASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 783410_f3_172 | 1772 | 6994 | 391 | 1176 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------|------|------|-----------|-----------|-------|-------------|
| 85827_f2_155..... | 1773 | 6995 | 207 | 624 | 371 | 4.3e-34 |

Protein name

Locus Name

Acc#

phosphoribosylglycinamide formyltransferase

gp:ATPUR3

X74767

Description

Arabidopsis thaliana mRNA for phosphoribosylglycinamideformyltransferase encoded by PUR3 gene.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 9787906_f2_121..... | 1774 | 6996 | 80 | 243 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 9923130_c3_577..... | 1775 | 6997 | 111 | 336 | 85 | 0.00086 |

Protein name

Locus Name

Acc#

hypothetical protein SCE68.26c

pir:T36276

T36276

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 14176629_c2_6 | 1776 | 6998 | 68 | 207 | 113 | 9.3e-07 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein Rv3069 | | | pir:F70650 | | F70650 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 4978886_f3_2 | 1777 | 6999 | 217 | 654 | 628 | 2.5e-61 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein | | | pir:JQ1020 | | JQ1020 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 12697201_c2_20 | 1778 | 7000 | 599 | 1797 | 340 | 2.0e-27 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| 115K outer membrane protein precursor:SusC protein | | | pir:JC6027 | | JC6027 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 19532637_c3_23 | 1779 | 7001 | 96 | 291 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 24218762_c1_18 | 1780 | 7002 | 137 | 414 | 64 | 0.015 |

Protein name

Locus Name

Acc#

ribosomal protein L5

gp:U17009

U17009

Description

Phytophthora infestans mitochondrion, complete genome.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 3163438_c2_19 | 1781 | 7003 | 406 | 1221 | 148 | 1.4e-07 |

Protein name

Locus Name

Acc#

transmembrane sensor

gp:AF051691

AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor(fiuI), transmembrane sensor (fiuR), and hydroxamate-typeferrisiderophore receptor (fiuA) genes, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 4806337_c3_21 | 1782 | 7004 | 93 | 282 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 6445306_f2_8 | 1783 | 7005 | 212 | 639 | 186 | 1.7e-14 |

Protein name

Locus Name

Acc#

RNA polymerase sigma factor SigZ-like protein

gp:AF137263

AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucose gene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 13065655_f3_2 | 1784 | 7006 | 67 | 201 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 1050026_f2_4 | 1785 | 7007 | 129 | 390 | 69 | 0.044 |

Protein name

Locus Name

Acc#

transcription regulator, PbsX family

pir:H75270

H75270

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 14652161_f3_17 | 1786 | 7008 | 77 | 234 | 191 | 2.6e-14 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 16832885_f2_11 | 1787 | 7009 | 115 | 348 | 428 | 3.9e-40 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 22860128_f3_16 | 1788 | 7010 | 83 | 252 | 64 | 0.031 |

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|------|----------|
| 24615625_c3_24 | 1789 | 7011 | 725 | 2178 | 2793 | 9.5e-291 |
|----------------|------|------|-----|------|------|----------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

| | | |
|-------------------|-------------|--------|
| alpha-glucosidase | gp:BTU66897 | U66897 |
|-------------------|-------------|--------|

Description

Bacteroides thetaiotaomicron neopullulanase (susA) and alpha-glucosidase (susB) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|-----|-----|---------|
| 34382842_f1_3 | 1790 | 7012 | 113 | 342 | 170 | 5.1e-12 |
|---------------|------|------|-----|-----|-----|---------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

| | | |
|----------------------|------------|--------|
| hypothetical protein | pir:JQ1020 | JQ1020 |
|----------------------|------------|--------|

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|------|------|----------|
| 10644652_c3_306 | 1791 | 7013 | 628 | 1887 | 1058 | 6.8e-107 |
|-----------------|------|------|-----|------|------|----------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

sp:YFBS_ECOLI

Description

HYPOTHETICAL 65.9 KD PROTEIN IN LRHA-ACKA INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|--|--|
| 1070311_c3_324 | 1792 | 7014 | 355 | 1068 | | |
|----------------|------|------|-----|------|--|--|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10727040_c1_204 | 1793 | 7015 | 345 | 1038 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10968955_f3_167 | 1794 | 7016 | 237 | 714 | 546 | 1.2e-52 |

Protein name

Locus Name

Acc#

sp:PDXH_SYNY3

P74211

Description

PYRIDOXAMINE 5'-PHOSPHATE OXIDASE, (PNP/PMP OXIDASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 11190877_c3_317 | 1795 | 7017 | 406 | 1221 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 1214075_c2_259 | 1796 | 7018 | 215 | 648 | 364 | 2.4e-33 |

Protein name

Locus Name

Acc#

O-acetyl transferase

gp:SAU77308

U77308

Description

Staphylococcus aureus O-acetyl transferase (cap5H) gene, completecds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 12985802_f2_99 | 1797 | 7019 | 245 | 738 | 84 | 0.0053 |

Protein name

Locus Name

Acc#

gp:D84670

D84670

Description

Pyrococcus furiosus gene for DNA polymerase II subunit 1, DNAPolymerase II subunit 2, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 13851552_f3_168 | 1798 | 7020 | 363 | 1092 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 13937556_c3_325..... | 1799 | 7021 | 182 | 549 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 14463512_f1_57..... | 1800 | 7022 | 60 | 183 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14570327_f3_149 | 1801 | 7023 | 157 | 474 | 263 | 1.2e-22 |

Protein name

Locus Name

Acc#

orfX

gp:AB014440

AB014440

Description

Staphylococcus aureus genes for orf1, orfX, orf2, orf3, partial and complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 16112682_f3_192 | 1802 | 7024 | 961 | 2886 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 16223432_c2_284..... | 1803 | 7025 | 198 | 597 | 187 | 1.3e-14 |

Protein name

Locus Name

Acc#

RNA polymerase ECF-type sigma factor homolog ylaC

pir:A69872

A69872

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 1957187_c3_315..... | 1804 | 7026 | 195 | 588 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 19726375_c1_207 | 1805 | 7027 | 161 | 486 | 233 | 1.8e-19 |

Protein name

Locus Name

Acc#

unknown

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 20505007_c3_305 | 1806 | 7028 | 60 | 183 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 2187550_f3_143..... | 1807 | 7029 | 112 | 339 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 22469452_c3_298..... | 1808 | 7030 | 172 | 519 | 149 | 1.4e-10 |

Protein name

Locus Name

Acc#

unknown

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23625302_c1_213 | 1809 | 7031 | 434 | 1305 | 1720 | 4.8e-177 |

Protein name

Locus Name

Acc#

putative UDP-galactose-6 dehydrogenase

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23631637_f3_163 | 1810 | 7032 | 342 | 1029 | 902 | 2.3e-90 |

Protein name

Locus Name

Acc#

D-2-hydroxy-acid dehydrogenase,

pir:S76782

S76782

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23944510_f1_48 | 1811 | 7033 | 104 | 315 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24022212_c1_236 | 1812 | 7034 | 330 | 993 | 588 | 4.3e-57 |

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:A72335

A72335

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-------------------|-----------|-------------|-------------|
| 24415952_c1_231 | 1813 | 7035 | 220 | 663 | 712 | 3.1e-70 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| ykvJ protein | | | pir:A69868 | | A69868 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-------------------|-----------|-------------|-------------|
| 24416062_c2_258 | 1814 | 7036 | 386 | 1161 | 117 | 0.00067 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| MURF1 | | | gp:AF079967 | | AF079967 | |
| <u>Description</u> | | | | | | |

Phytomonas serpens 12S large subunit ribosomal RNA and 9S small subunit ribosomal RNA, partial sequence; NADH dehydrogenase subunit 8 (ND8) cryptogene, NADH dehydrogenase subunit 9 (ND9) cryptogene, NADH dehydrogenase subunit 7 (ND7) cryptogene, ATPase subunit 6 (A6) cryptogene, G3 cryptogene, complete sequence; and MURF1 (MURF1) and MURF1 (MURF1) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 24640887_c3_301 | 1815 | 7037 | 351 | 1056 | 615 | 5.9e-60 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| N-acetylneuraminic acid condensing enzyme | | | gp:LPN7311 | | AJ007311 | |
| <u>Description</u> | | | | | | |

Legionella pneumophila serogroup 1 lipopolysaccharide biosynthesis gene cluster.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 24641925_c1_214 | 1816 | 7038 | 388 | 1167 | 128 | 3.3e-05 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| probable lipopolysaccharide N-acetylglucosaminyltransferase, rfbU | | | pir:F64500 | | F64500 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24642125_c3_304 | 1817 | 7039 | 442 | 1329 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24642813_c1_217 | 1818 | 7040 | 200 | 603 | 189 | 8.2e-15 |

Protein name

Locus Name

Acc#

thiol:disulfide interchange protein

pir:F75549

F75549

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24647126_f1_19 | 1819 | 7041 | 431 | 1296 | 78 | 0.045 |

Protein name

Locus Name

Acc#

sp:RS10_METTH

027133

Description

30S RIBOSOMAL PROTEIN S10P

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24648510_c1_211 | 1820 | 7042 | 343 | 1032 | 424 | 1.0e-39 |

Protein name

Locus Name

Acc#

unknown

gp:AF144879

AF144879

Description

Leptospira interrogans rfb locus, complete sequence.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 24806575_c3_300 | 1821 | 7043 | 281 | 846 | 159 | 2.6e-09 |

Protein name

Locus Name

Acc#

galactosyl transferase

gp:AF030373

AF030373

Description

Streptococcus pneumoniae strain SP-264 alpha, 1-6-glucosidase(dexB) gene, complete cds; capsular polysaccharide biosynthetic locus, complete sequence; and oligopeptide binding protein (aliA) gene, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 25431551_c1_212 | 1822 | 7044 | 238 | 717 | 289 | 2.1e-25 |

Protein name

Locus Name

Acc#

acetyltransferase, vatB

pir:T10903

T10903

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 25815961_c2_248..... | 1823 | 7045 | 647 | 1944 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 25900252_c2_282..... | 1824 | 7046 | 152 | 459 | 591 | 2.1e-57 |

Protein name

Locus Name

Acc#

conserved hypothetical protein ykvM

pir:D69868

D69868

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|--------------|--------------|-------|-------------|
| 26847025_f2_134 | 1825 | 7047 | 167 | 504 | 843 | 4.1e-84 |

Protein name

Locus Name

Acc#

sp:FLP_YEAST

P03870

Description

RECOMBINASE FLP PROTEIN (PROTEIN ABLE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|--------------|--------------|-------|-------------|
| 26847025_f3_195 | 1826 | 7048 | 167 | 504 | 843 | 4.1e-84 |

Protein name

Locus Name

Acc#

sp:FLP_YEAST

P03870

Description

RECOMBINASE FLP PROTEIN (PROTEIN ABLE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|--------------|--------------|-------|-------------|
| 29484452_c1_216..... | 1827 | 7049 | 433 | 1302 | 933 | 1.2e-93 |

Protein name

Locus Name

Acc#

Cps7G

gp:AF164515

AF164515

Description

Streptococcus suis putative glycosyltransferase Cps7E (cps7E) gene, partial cds; putative glycosyltransferase Cps7F (cps7F) and Cps7G (cps7G) genes, complete cds; and putative glycosyltransferase Cps7H (cps7H) gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|--------------|--------------|-------|-------------|
| 29506500_c2_257..... | 1828 | 7050 | 481 | 1446 | 275 | 2.0e-21 |

Protein name

Locus Name

Acc#

Cps2J

gp:AF026471

AF026471

Description

Streptococcus pneumoniae DexB (dexB) gene, partial cds; putative transposase gene, complete cds; type 2 capsular polysaccharide biosynthesis operon, complete sequence; and AliA (aliA) gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 30509375_c1_198 | 1829 | 7051 | 246 | 741 | 117 | 0.00037 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| STARP antigen | | | gp:AF209925 | | AF209925 | |
| <u>Description</u> | | | | | | |
| Plasmodium falciparum STARP antigen (STARP) gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------------|-------------|
| 31287_c2_255 | 1830 | 7052 | 236 | 711 | 347 | 1.5e-31 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| CMP-N-acetylneuraminic acid synthetase | | | gp:LPN7311 | | AJ007311 | |
| <u>Description</u> | | | | | | |
| Legionella pneumophila serogroup 1 lipopolysaccharide biosynthesis gene cluster. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-------------------|-----------|-------------|-------------|
| 31593_c2_243 | 1831 | 7053 | 62 | 189 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | | | | |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-------------------|-----------|-------------|-------------|
| 34019812_c2_283 | 1832 | 7054 | 272 | 819 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | | | | |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 34180437_c2_280 | 1833 | 7055 | 172 | 519 | 209 | 6.3e-17 |

| Protein name | Locus Name | Acc# |
|---------------------------------|-------------|----------|
| putative ECF sigma factor RpoE1 | gp:AF049107 | AF049107 |

Description

Myxococcus xanthus response regulator FrzZ (frzZ) gene, partialcds; alanine dehydrogenase (aldA), putative ECF sigma factor RpoE1(rpoE1), and response regulator homolog (frzS) genes, complete cds;and unknown genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 34562591_c3_296 | 1834 | 7056 | 352 | 1059 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 34572201_c1_235..... | 1835 | 7057 | 283 | 852 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 35166265_c2_254..... | 1836 | 7058 | 214 | 645 | 291 | 1.3e-25 |

| Protein name | Locus Name | Acc# |
|-----------------------------|------------|----------|
| putative acetyl transferase | gp:LPN7311 | AJ007311 |

Description

Legionella pneumophila serogroup 1 lipopolysaccharide biosynthesisgene cluster.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 36135887_c1_219 | 1837 | 7059 | 68 | 207 | 73 | 0.016 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| water-stress inducible protein | | | gp:AF010584 | | AF010584 | |
| <u>Description</u> | | | | | | |
| Oryza sativa water-stress inducible protein (WSI) mRNA, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------------------------|------|------|-------------------|-----------|-------------|-------------|
| 39067_c2_256 | 1838 | 7060 | 443 | 1332 | 81 | 0.023 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | sp:RK23_EUGGR | | P19167 | |
| <u>Description</u> | | | | | | |
| CHLOROPLAST 50S RIBOSOMAL PROTEIN L23 | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 391003_f2_101 | 1839 | 7061 | 311 | 936 | 129 | 5.6e-06 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| ubiquinone/menaquinone biosynthesis methyltransferase-related protein | | | pir:F72262 | | F72262 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|-------------------|-----------|-------------|-------------|
| 3912637_f1_28 | 1840 | 7062 | 244 | 735 | 428 | 3.9e-40 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein sll1773 | | | pir:S77110 | | S77110 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 392802_c2_261 | 1841 | 7063 | 198 | 597 | 541 | 4.1e-52 |

Protein name Locus Name Acc#
 ORF8S gp:AB028134 AB028134
Description

Shigella sonnei O-antigen gene cluster for ORF6S, ORF7S, ORF8S, ORF9S, ORF10S, partial and complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 3957767_f2_69 | 1842 | 7064 | 372 | 1119 | 1076 | 8.4e-109 |

Protein name Locus Name Acc#
 alanine dehydrogenase gp:AF070716 AF070716
Description

Vibrio proteolyticus alanine dehydrogenase (ald) gene, completecds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 4071052_c2_242..... | 1843 | 7065 | 250 | 753 | 312 | 7.6e-28 |

Protein name Locus Name Acc#
 Tou1 gp:AF058689 AF058689
Description

Neisseria meningitidis strain Z2491, genomic sequence.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 4117802_c1_225..... | 1844 | 7066 | 608 | 1827 | 181 | 3.6e-09 |

Protein name Locus Name Acc#
 hypothetical protein pir:S75991 S75991
Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 4407580_c1_215 | 1845 | 7067 | 261 | 786 | 761 | 2.0e-75 |

Protein name

Locus Name

Acc#

putative glycosyl transferase

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 4457808_c2_287 | 1846 | 7068 | 490 | 1470 | 189 | 3.8e-12 |

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:B72224

B72224

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 4789052_c3_321 | 1847 | 7069 | 282 | 849 | 609 | 2.6e-59 |

Protein name

Locus Name

Acc#

quinolinate phosphoribosyl transferase

pir:B70375

B70375

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 4975937_c2_281 | 1848 | 7070 | 230 | 693 | 266 | 5.7e-23 |

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:A72334

A72334

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 585312_f1_34 | 1849 | 7071 | 132 | 399 | 154 | 4.2e-11 |

Protein name

Locus Name

Acc#

sp:LGUL_NEIME

033393

Description

(S-D-LACTOYLGLUTATHIONE METHYLGLYOXAL LYASE)

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 598150_f2_113 | 1850 | 7072 | 61 | 186 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 625933_c1_196..... | 1851 | 7073 | 92 | 279 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 6679812_c2_273..... | 1852 | 7074 | 147 | 444 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 7293_c3_288 | 1853 | 7075 | 85 | 258 | 263 | 1.2e-22 |

Protein name

Locus Name

Acc#

sp:REP1_YEAST

P03871

Description

TRANS-ACTING FACTOR B (REP1) (PROTEIN BAKER)

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 907575_c1_208 | 1854 | 7076 | 412 | 1239 | 319 | 1.8e-30 |

Protein name

Locus Name

Acc#

putative epimerase/dehydratase Wb11

gp:AF064070

AF064070

Description

Burkholderia pseudomallei putative dihydroorotase (pyrC) gene, partial cds; putative 1-acyl-sn-glycerol-3-phosphateacyltransferase (plsC), putative diadenosine tetraphosphatase (apaH), complete cds; type II O-antigen biosynthesis gene cluster, complete sequence; putative undecaprenyl phosphateN-acetylglucosaminyltransferase, and putative

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 977202_c1_226 | 1855 | 7077 | 501 | 1506 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 9859712_c3_299 | 1856 | 7078 | 406 | 1221 | 544 | 1.0e-56 |

Protein name

Locus Name

Acc#

aminotransferase homolog

gp:AF001497

AF001497

Description

Campylobacter jejuni polysaccharide biosynthesis protein homolog gene, partial cds, galactosyl transferase homolog, UDP-galactosephosphate transferase homolog, acetyl transferase homolog and aminotransferase homolog genes, complete cds, and polysaccharide biosynthesis enzyme homolog gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------|------|------|------------|-----------|--------|-------------|
| 14722075_f1_6 | 1857 | 7079 | 77 | 234 | 137 | 2.7e-09 |
| Protein name | | | Locus Name | | Acc# | |
| ribosomal protein L30 | | | pir:B72248 | | B72248 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 14868817_f1_12 | 1858 | 7080 | 113 | 342 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|---------------|-----------|--------|-------------|
| 157552_c1_36 | 1859 | 7081 | 616 | 1851 | 266 | 3.1e-22 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:MUTS_AQUPY | | P70755 | |
| Description | | | | | | |

DNA MISMATCH REPAIR PROTEIN MUTS

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|------------|-----------|--------|-------------|
| 16595463_f1_4 | 1860 | 7082 | 193 | 582 | 458 | 2.6e-43 |
| Protein name | | | Locus Name | | Acc# | |
| ribosomal protein L6 | | | pir:E72248 | | E72248 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|-----|---------|
| 16836062_f1_11 | 1861 | 7083 | 203 | 612 | 504 | 3.4e-48 |
|----------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:RS4_BACST

P81288

Description

30S RIBOSOMAL PROTEIN S4

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|-----|---------|
| 22540937_f3_29 | 1862 | 7084 | 162 | 489 | 318 | 1.8e-28 |
|----------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:RL17_PSEAE

O52761

Description

50S RIBOSOMAL PROTEIN L17

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|-----|---------|
| 23475302_f3_28 | 1863 | 7085 | 335 | 1008 | 634 | 5.8e-62 |
|----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

sp:RPOA_BACHD

O50634

Description

ALPHA CHAIN) (RNA POLYMERASE ALPHA SUBUNIT)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-------------|------|------|-----|-----|-----|---------|
| 235677_f1_3 | 1864 | 7086 | 149 | 450 | 373 | 2.6e-34 |
|-------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

gp:AB017508

AB017508

Description

Bacillus halodurans C-125 genomic DNA, 32 kb fragment, completecds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------|------|------|-------------------|-----------|-------------|-------------|
| 23712803_f1_1 | 1865 | 7087 | 186 | 561 | 524 | 2.6e-50 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | sp:RL5_BACSU | | P12877 | |
| <u>Description</u> | | | | | | |
| 50S RIBOSOMAL PROTEIN L5 (BL6) | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------|------|------|-------------------|-----------|-------------|-------------|
| 24353377_f1_2 | 1866 | 7088 | 100 | 303 | 274 | 8.1e-24 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| ribosomal protein S14 | | | pir:R3EC14 | | | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------------|-------------|
| 24353385_f1_10 | 1867 | 7089 | 73 | 222 | 287 | 3.4e-25 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| initiation factor IF1 | | | gp:AF115283 | | AF115283 | |
| <u>Description</u> | | | | | | |
| Leptospira interrogans S10-spc-alpha locus, complete sequence. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------|------|------|-------------------|-----------|-------------|-------------|
| 25437550_f1_7 | 1868 | 7090 | 158 | 477 | 354 | 2.7e-32 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| ribosomal protein L15 | | | pir:A72248 | | A72248 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 3019182_f3_30 | 1869 | 7091 | 148 | 447 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 3939377_f1_5 | 1870 | 7092 | 118 | 357 | 332 | 5.8e-30 |

Protein name

Locus Name

Acc#

sp:RL18_BACSU

Description

50S RIBOSOMAL PROTEIN L18

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4040885_f3_26 | 1871 | 7093 | 127 | 384 | 413 | 1.5e-38 |

Protein name

Locus Name

Acc#

ribosomal protein S13

gp:AF115283

AF115283

Description

Leptospira interrogans S10-spc-alpha locus, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4334377_f3_25 | 1872 | 7094 | 176 | 531 | 443 | 1.0e-41 |

Protein name

Locus Name

Acc#

gp:AB017508

AB017508

Description

Bacillus halodurans C-125 genomic DNA, 32 kb fragment, completedcds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 5117303_f1_9 | 1873 | 7095 | 267 | 804 | 673 | 4.2e-66 |

Protein name

Locus Name

Acc#

gp:AB017508

AB017508

Description

Bacillus halodurans C-125 genomic DNA, 32 kb fragment, completecds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 578213_f3_31 | 1874 | 7096 | 215 | 648 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 5897177_f2_20..... | 1875 | 7097 | 134 | 405 | 392 | 2.5e-36 |

Protein name

Locus Name

Acc#

sp:RS11_STRCO

P72403

Description

30S RIBOSOMAL PROTEIN S11

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 9969412_f2_18..... | 1876 | 7098 | 452 | 1359 | 913 | 1.6e-91 |

Protein name

Locus Name

Acc#

preprotein translocase SecY

gp:AF115283

AF115283

Description

Leptospira interrogans S10-spc-alpha locus, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10742027_c1_170 | 1877 | 7099 | 61 | 186 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 12533408_c1_171..... | 1878 | 7100 | 177 | 534 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 13941932_f1_14..... | 1879 | 7101 | 759 | 2280 | 1022 | 4.4e-103 |

Protein name

Locus Name

Acc#

immunoreactive 89kD antigen PG87

gp:AF175722

AF175722

Description

Porphyromonas gingivalis strain W50 immunoreactive 89kD antigenPG87 gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 14105438_f2_49..... | 1880 | 7102 | 802 | 2409 | 991 | 8.5e-100 |

Protein name

Locus Name

Acc#

hypothetical protein Rv0584

pir:G70934

G70934

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|----------|-------------|
| 1453553_c2_174 | 1881 | 7103 | 1220 | 3663 | 1910 | 4.3e-222 |
| Protein name | | | Locus Name | | Acc# | |
| beta-galactosidase | | | gp:AF055482 | | AF055482 | |
| Description | | | | | | |
| Thermotoga neapolitana galactose utilization operon, complete sequence. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|------------|-----------|--------|-------------|
| 22445937_f1_28 | 1882 | 7104 | 378 | 1137 | 146 | 4.2e-07 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein | | | pir:A75327 | | A75327 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 24301306_c2_179 | 1883 | 7105 | 64 | 195 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 24414007_f1_22 | 1884 | 7106 | 234 | 705 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 24415930_f2_56 | 1885 | 7107 | 736 | 2211 | 430 | 6.3e-38 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| 115K outer membrane protein precursor:SusC protein | | | pir:JC6027 | | JC6027 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 24422510_c3_237..... | 1886 | 7108 | 347 | 1044 | 305 | 5.5e-27 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein RP407 | | | pir:F71698 | | F71698 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 24490937_f3_113..... | 1887 | 7109 | 135 | 408 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | | | | |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 24820301_c2_202..... | 1888 | 7110 | 126 | 378 | 121 | 1.3e-07 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | sp:YHI4_RHOCA | | P30791 | |
| <u>Description</u> | | | | | | |
| HYPOTHETICAL PROTEIN IN HIMA 3' REGION (FRAGMENT) | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 24823562_c3_230 | 1889 | 7111 | 66 | 201 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 2616636_f1_23 | 1890 | 7112 | 183 | 552 | 222 | 2.6e-18 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|-------------------------------------|------------|--------|
| conserved hypothetical protein ylbH | pir:E69874 | E69874 |
|-------------------------------------|------------|--------|

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 26351577_c2_177 | 1891 | 7113 | 389 | 1170 | 422 | 3.5e-38 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|--|------------|--------|
| sensory transduction histidine kinase slr2098:protein slr2098:protein slr2098 | pir:S75130 | S75130 |
|--|------------|--------|

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 272078_f3_112 | 1892 | 7114 | 375 | 1128 | 449 | 2.3e-42 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|-----------------------------------|------------|--------|
| 3-dehydroquinate synthase PAB0298 | pir:C75161 | C75161 |
|-----------------------------------|------------|--------|

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------------|-------------|
| 29332532_c2_196 | 1893 | 7115 | 294 | 885 | 156 | 5.2e-09 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| pobR regulator | | | gp:PSEY18527 | | Y18527 | |
| <u>Description</u> | | | | | | |
| Pseudomonas sp. pobA, pobR, pcaQ, pcaH and pcaG genes. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 29412805_f1_12 | 1894 | 7116 | 199 | 600 | 204 | 2.1e-16 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| RNA polymerase sigma factor SigZ-like protein | | | gp:AF137263 | | AF137263 | |
| <u>Description</u> | | | | | | |
| Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucose gene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) genes, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|-------------------|-----------|-------------|-------------|
| 31328126_c1_149..... | 1895 | 7117 | 478 | 1437 | 144 | 4.2e-12 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein MJ1519 | | | pir:F64489 | | F64489 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-------------------|-----------|-------------|-------------|
| 31408525_f3_121..... | 1896 | 7118 | 65 | 198 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | | | | |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 33366385_f1_15 | 1897 | 7119 | 766 | 2301 | 2410 | 3.6e-250 |

Protein name

Locus Name

Acc#

immunoreactive 89kD antigen PG87

gp:AF175722

AF175722

Description

Porphyromonas gingivalis strain W50 immunoreactive 89kD antigenPG87 gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34179592_f2_74 | 1898 | 7120 | 430 | 1293 | 526 | 1.9e-61 |

Protein name

Locus Name

Acc#

3-phosphoshikimate
1-carboxyvinyltransferase, :5-enolpyruvylshikim
ate-3-phosphate synthase

pir:JN0758

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34251302_f3_83 | 1899 | 7121 | 876 | 2631 | 1368 | 3.2e-193 |

Protein name

Locus Name

Acc#

alanyl-tRNA synthetase

gp:AF027500

AF027500

Description

Aquifex pyrophilus alanyl-tRNA synthetase (alaS) gene, completecds; and
ATP-dependent Clp protease regulatory subunit (clpA) gene,partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4039063_c2_183 | 1900 | 7122 | 146 | 441 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------|-----------|--------|-------------|
| 4113941_c3_208 | 1901 | 7123 | 656 | 1971 | 379 | 3.2e-32 |
| Protein name | | | Locus Name | | Acc# | |
| lacto-N-biosidase precursor | | | gp:SSU40488 | | U40488 | |
| Description | | | | | | |
| Streptomyces sp. lacto-N-biosidase precursor gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|------------|-----------|-------|-------------|
| 4173192_f2_57 | 1902 | 7124 | 196 | 591 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------|-----------|--------|-------------|
| 4692208_c2_173..... | 1903 | 7125 | 499 | 1500 | 264 | 2.6e-49 |
| Protein name | | | Locus Name | | Acc# | |
| alpha-1,3/4-fucosidase precursor | | | gp:SSU39394 | | U39394 | |
| Description | | | | | | |
| Streptomyces sp. alpha-1,3/4-fucosidase precursor gene, completecds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------------|------|------|------------|-----------|----------|-------------|
| 4964055_f2_48..... | 1904 | 7126 | 402 | 1209 | 598 | 3.8e-58 |
| Protein name | | | Locus Name | | Acc# | |
| putative membrane transport protein. | | | gp:SCC75A | | AL133220 | |
| Description | | | | | | |
| Streptomyces coelicolor cosmid C75A. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 5162628_f2_60 | 1905 | 7127 | 281 | 846 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 5319637_f2_58 | 1906 | 7128 | 385 | 1158 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 546925_c2_176 | 1907 | 7129 | 303 | 912 | 156 | 3.3e-11 |

Protein name

Locus Name

Acc#

PobR

gp:RLU40388

U40388

Description

Rhizobium leguminosarum positive regulator of pobA (pobR) gene, complete cds, and 4-hydroxybenzoate hydroxylase (pobA) gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 625032_c2_184 | 1908 | 7130 | 989 | 2970 | 166 | 1.7e-15 |

Protein name

Locus Name

Acc#

unknown

gp:AF007381

AF007381

Description

Flavobacterium johnsoniae gliding motility protein (gldA) gene, complete cds; and unknown genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 6306441_f1_17 | 1909 | 7131 | 422 | 1269 | 178 | 5.0e-10 |

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 634758_c1_140 | 1910 | 7132 | 79 | 240 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 6761652_c2_185..... | 1911 | 7133 | 503 | 1512 | 915 | 9.6e-92 |

Protein name

Locus Name

Acc#

sp:YWNE_BACSU

P71040

Description

HYPOTHETICAL 55.8 KD PROTEIN IN SP011Q-MTA INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------|------|------|-----------|-----------|-------|-------------|
| 796950_f2_50..... | 1912 | 7134 | 342 | 1029 | 165 | 1.0e-09 |

Protein name

Locus Name

Acc#

transmembrane sensor

gp:AF051691

AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor (fiuI), transmembrane sensor (fiuR), and hydroxamate-type ferrisiderophore receptor (fiuA) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 1055303_f3_59 | 1913 | 7135 | 76 | 231 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 10797128_f3_58 | 1914 | 7136 | 384 | 1155 | 406 | 8.3e-38 |

Protein name

Locus Name

Acc#

DNA processing chain A

pir:C72399

C72399

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------|------|------|-----------|-----------|-------|-------------|
| 1293_f2_43 | 1915 | 7137 | 310 | 933 | 133 | 3.2e-06 |

Protein name

Locus Name

Acc#

sp:EXSA_PSEAE

P26993

Description

EXOENZYME S SYNTHESIS REGULATORY PROTEIN EXSA

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 13157626_f1_17 | 1916 | 7138 | 85 | 258 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 134717_f1_12 | 1917 | 7139 | 322 | 969 | 107 | 0.0016 |

Protein name

Locus Name

Acc#

hypothetical protein RP870

pir:F71649

F71649

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 13678887_f3_67 | 1918 | 7140 | 72 | 219 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 20734627_f2_40 | 1919 | 7141 | 341 | 1026 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 22068817_c2_132 | 1920 | 7142 | 165 | 498 | 162 | 6.0e-12 |

Protein name

Locus Name

Acc#

RNA polymerase sigma-E factor

pir:H75550

H75550

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 22072175_f3_62 | 1921 | 7143 | 833 | 2502 | 192 | 5.0e-11 |

Protein name

Locus Name

Acc#

tonB-linked receptor Tlr

gp:AF155223

AF155223

Description

Porphyromonas gingivalis tonB-linked receptor Tlr (tlr) gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|----------|-------------|
| 22460876_f2_42 | 1922 | 7144 | 342 | 1029 | 111 | 0.0052 |
| Protein name | | | Locus Name | | Acc# | |
| 71 | | | gp:AF030027 | | AF030027 | |
| Description | | | | | | |
| Equine herpesvirus 4 strain NS80567, complete genome. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 23634713_f1_22 | 1923 | 7145 | 377 | 1134 | 135 | 3.5e-11 |
| Protein name | | | Locus Name | | Acc# | |
| | | | gp:PSEOPRC | | D28119 | |
| Description | | | | | | |
| Pseudomonas aeruginosa oprC gene for outer membrane protein C, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|---------------|-----------|--------|-------------|
| 23875636_c1_92 | 1924 | 7146 | 96 | 291 | 78 | 0.039 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:YB05_YEAST | | P33313 | |
| Description | | | | | | |
| HYPOTHETICAL 44.1 KD PROTEIN IN RPB5-CDC28 INTERGENIC REGION | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------------|------|------|---------------|-----------|--------|-------------|
| 24220312_f1_14 | 1925 | 7147 | 142 | 429 | 149 | 1.4e-10 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:YE94_AQUAE | | O67466 | |
| Description | | | | | | |
| HYPOTHETICAL 15.3 KD PROTEIN AQ_1494 | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------------|-------------|
| 24335967_c2_103 | 1926 | 7148 | 255 | 768 | 744 | 1.3e-73 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| putative reductase iron-sulfur protein | | | gp:SCM10 | | AL133469 | |
| <u>Description</u> | | | | | | |
| Streptomyces coelicolor cosmid M10. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|-------------------|-----------|-------------|-------------|
| 24486507_f3_69 | 1927 | 7149 | 211 | 636 | 187 | 3.1e-14 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | sp:Y374_METJA | | Q57819 | |
| <u>Description</u> | | | | | | |
| HYPOTHETICAL PROTEIN MJ0374 | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------------------|------|------|-------------------|-----------|-------------|-------------|
| 25397550_f2_31 | 1928 | 7150 | 342 | 1029 | 197 | 8.2e-19 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| probable UDP-glucose 4-epimerase | | | pir:A71183 | | A71183 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-------------------|-----------|-------------|-------------|
| 26345025_c1_95 | 1929 | 7151 | 164 | 495 | 160 | 9.7e-12 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| nimD protein | | | pir:I40187 | | | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 31445427_c1_85 | 1930 | 7152 | 330 | 993 | 576 | 8.1e-56 |

Protein name

Locus Name

Acc#

sp:YACF_BACSU

P37567

Description

HYPOTHETICAL 37.1 KD PROTEIN IN FOLK-LYSS INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 33397252_c3_140 | 1931 | 7153 | 652 | 1959 | 2133 | 8.2e-221 |

Protein name

Locus Name

Acc#

putative reductase flavoprotein subunit

gp:SCM10

AL133469

Description

Streptomyces coelicolor cosmid M10.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 33728400_c3_138 | 1932 | 7154 | 292 | 879 | 138 | 7.2e-07 |

Protein name

Locus Name

Acc#

sp:EXSA_PSEAE

P26993

Description

EXOENZYME S SYNTHESIS REGULATORY PROTEIN EXSA

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34197186_f2_30 | 1933 | 7155 | 300 | 903 | 494 | 3.9e-47 |

Protein name

Locus Name

Acc#

cation efflux system homolog ydfM

pir:C69781

C69781

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|-------|-------------|
| 34379406_c1_78 | 1934 | 7156 | 74 | 225 | 74 | 0.013 |
| Protein name | | | Locus Name | | | Acc# |
| citrate synthase | | | gp:BBU28076 | | | U28076 |
| Description | | | | | | |
| Bartonella bacilliformis citrate synthase (glTA) gene, partial cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|-------|-------------|
| 36361057_f3_50 | 1935 | 7157 | 317 | 954 | 980 | 1.2e-98 |
| Protein name | | | Locus Name | | | Acc# |
| O-acetylserine(thiol)-lyase-A related protein | | | gp:AF174138 | | | AF174138 |
| Description | | | | | | |
| Methanosarcina barkeri O-acetylserine(thiol)-lyase-A related protein (cysK) gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|-------|-------------|
| 4025375_f3_57 | 1936 | 7158 | 425 | 1278 | 1537 | 1.2e-157 |
| Protein name | | | Locus Name | | | Acc# |
| collagenase | | | gp:AB006973 | | | AB006973 |
| Description | | | | | | |
| Porphyromonas gingivalis DNA for collagenase, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------------|------|------|---------------|-----------|-------|-------------|
| 4117202_f2_41 | 1937 | 7159 | 321 | 966 | 81 | 0.043 |
| Protein name | | | Locus Name | | | Acc# |
| | | | sp:RL12_HALVO | | | P41197 |
| Description | | | | | | |
| 50S RIBOSOMAL PROTEIN L12 ('A' TYPE) | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|---------------|------|------|-----|------|------|----------|
| 4789162_c1_91 | 1938 | 7160 | 718 | 2157 | 1190 | 7.0e-121 |
|---------------|------|------|-----|------|------|----------|

Protein name

Locus Name

Acc#

conserved hypothetical protein yvaJ

pir:G70027

G70027

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|---------------|------|------|-----|------|--|--|
| 5095937_f1_21 | 1939 | 7161 | 409 | 1230 | | |
|---------------|------|------|-----|------|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|---------------|------|------|-----|-----|-----|---------|
| 5994790_f3_49 | 1940 | 7162 | 286 | 861 | 281 | 3.2e-24 |
|---------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

probable lipase

pir:C75472

C75472

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|----------------|------|------|----|-----|--|--|
| 6053885_c2_101 | 1941 | 7163 | 64 | 195 | | |
|----------------|------|------|----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|---------------|------|------|-----|-----|--|--|
| 6444187_c1_94 | 1942 | 7164 | 206 | 621 | | |
|---------------|------|------|-----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|--------------|-----------|----------|-------------|
| 781703_f2_36 | 1943 | 7165 | 239 | 720 | 96 | 0.0070 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein | | | gp:PAU243397 | | AJ243397 | |
| Description | | | | | | |
| Pseudomonas aureofaciens partial bolA gene and ORF1 DNA. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------------|------|------|------------|-----------|----------|-------------|
| 867012_c2_102 | 1944 | 7166 | 234 | 705 | 199 | 7.2e-16 |
| Protein name | | | Locus Name | | Acc# | |
| putative cytochrome B subunit | | | gp:SCM10 | | AL133469 | |
| Description | | | | | | |
| Streptomyces coelicolor cosmid M10. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------------------------|------|------|--------------|-----------|--------|-------------|
| 2141962_c3_52 | 1945 | 7167 | 132 | 399 | 179 | 9.5e-14 |
| Protein name | | | Locus Name | | Acc# | |
| MecI protein | | | gp:SSK3MECA2 | | Y13095 | |
| Description | | | | | | |
| S.sciuri mecA2 gene, strain K3 (MM2). | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 23634637_f1_14 | 1946 | 7168 | 291 | 876 | 113 | 0.0010 |
| Protein name | | | Locus Name | | Acc# | |
| immunoglobulin-Fc-binding protein | | | gp:SPFCRA2 | | X73159 | |
| Description | | | | | | |
| S.pyogenes fcrA2 gene for Ig-Fc-binding protein. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------------|------|------|------------|-----------|--------|-------------|
| 24648410_c2_41 | 1947 | 7169 | 1097 | 3294 | 289 | 4.2e-37 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein c0624 | | | pir:S73091 | | S73091 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------|------|------|---------------|-----------|--------|-------------|
| 25822143_c3_53 | 1948 | 7170 | 731 | 2196 | 114 | 0.0037 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:BLAR_STAAU | | P18357 | |
| Description | | | | | | |
| REGULATORY PROTEIN BLAR1 | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|--------|-------------|
| 35159632_f3_27 | 1949 | 7171 | 76 | 231 | 54 | 0.022 |
| Protein name | | | Locus Name | | Acc# | |
| extracellular protein Exp4 precursor | | | gp:LLU95836 | | U95836 | |
| Description | | | | | | |
| Lactococcus lactis extracellular protein Exp4 precursor, gene, partial cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------|------|------|--------------|-----------|--------|-------------|
| 4178387_c1_38 | 1950 | 7172 | 317 | 954 | 750 | 2.9e-74 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:MDH_CHLAU | | P80040 | |
| Description | | | | | | |
| MALATE DEHYDROGENASE, | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|------------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 4725192_f3_26 | 1951 | 7173 | 676 | 2031 | 159 | 2.7e-13 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein F14F9.5 | | | pir:T33774 | | T33774 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 24337765_c3_16..... | 1952 | 7174 | 762 | 2286 | 673 | 6.1e-69 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| 115K outer membrane protein precursor:SusC protein | | | pir:JC6027 | | JC6027 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 2477187_c3_15..... | 1953 | 7175 | 60 | 183 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| <u>Description</u> | | | NO-HIT | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 35235700_f2_6..... | 1954 | 7176 | 62 | 189 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| <u>Description</u> | | | NO-HIT | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 5991061_c1_11 | 1955 | 7177 | 227 | 684 | 859 | 8.3e-86 |

| Protein name | Locus Name | Acc# |
|-----------------------------------|-------------|----------|
| Phosphoenolpyruvate carboxykinase | gp:AB016600 | AB016600 |

Description

Selenomonas ruminantium gene for Phosphoenolpyruvate carboxykinase, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 10009393_c1_53 | 1956 | 7178 | 71 | 216 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 13103563_f3_37 | 1957 | 7179 | 375 | 1128 | 248 | 5.3e-21 |

| Protein name | Locus Name | Acc# |
|---------------------------------|------------|--------|
| probable histidinol phosphatase | pir:F75515 | F75515 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 14587752_f3_39 | 1958 | 7180 | 165 | 498 | 345 | 2.4e-31 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:RISB_BACAM | Q44681 |

Description

(LOMAZINE SYNTHASE) (RIBOFLAVIN SYNTHASE BETA CHAIN)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------------|-------------|
| 17092_c1_50 | 1959 | 7181 | 395 | 1188 | 474 | 5.2e-45 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | gp:AB013492 | | AB013492 | |
| <u>Description</u> | | | | | | |
| Bacillus halodurans C-125 genomic DNA, 9A/3S' fragment, cloneALBAC001. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-------------------|-----------|-------------|-------------|
| 1954562_f1_5 | 1960 | 7182 | 366 | 1101 | 1505 | 2.9e-154 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | sp:G3P_BACFR | | Q59199 | |
| <u>Description</u> | | | | | | |
| (FRAGMENT) | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------------|------|------|-------------------|-----------|-------------|-------------|
| 23958125_c2_76..... | 1961 | 7183 | 517 | 1554 | 1411 | 2.6e-144 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | sp:GUAA_ECOLI | | P04079 | |
| <u>Description</u> | | | | | | |
| AMIDOTRANSFERASE) (GMP SYNTHETASE) | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------------|------|------|-------------------|-----------|-------------|-------------|
| 24017187_f2_25..... | 1962 | 7184 | 236 | 711 | 109 | 0.00037 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | sp:YA57_ACTAC | | O52728 | |
| <u>Description</u> | | | | | | |
| HYPOTHETICAL PROTEIN 1057 | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 240762_c1_46 | 1963 | 7185 | 62 | 189 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24229038_f2_19 | 1964 | 7186 | 716 | 2151 | 1255 | 9.0e-128 |

Protein name

Locus Name

Acc#

sp:OPDA_ECOLI

P27298

Description

OLIGOPEPTIDASE A,

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24431425_f3_36 | 1965 | 7187 | 82 | 249 | 78 | 0.0054 |

Protein name

Locus Name

Acc#

gp:MGU34967

U34967

Description

Mycoplasma genitalium repetitive sequence element mgp-r4.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24508512_c3_83 | 1966 | 7188 | 102 | 309 | 100 | 2.2e-05 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:D72328

D72328

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------------|------|------|------------|-----------|----------|-------------|
| 24645176_f3_41 | 1967 | 7189 | 427 | 1284 | 743 | 1.6e-73 |
| Protein name | | | Locus Name | | Acc# | |
| probable oxidoreductase | | | gp:SCF11 | | AL132662 | |
| Description | | | | | | |
| Streptomyces coelicolor cosmid F11. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 24648437_f2_20 | 1968 | 7190 | 171 | 516 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------|------|------|------------|-----------|--------|-------------|
| 26595836_f1_6 | 1969 | 7191 | 147 | 444 | 292 | 1.0e-25 |
| Protein name | | | Locus Name | | Acc# | |
| dCMP deaminase homolog | | | pir:C69470 | | C69470 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|------------|-----------|-------|-------------|
| 3009632_f2_16 | 1970 | 7192 | 675 | 2028 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 34175162_f1_7 | 1971 | 7193 | 184 | 555 | 331 | 7.4e-30 |
| Protein name | | | Locus Name | | Acc# | |
| conserved hypothetical protein aq_1731 | | | pir:C70449 | | C70449 | |
| Description | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 34407937_f3_35 | 1972 | 7194 | 494 | 1485 | 538 | 8.6e-52 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|------------------------------|-------------------|-------------|
| carboxyl-terminal proteinase | pir:F70369 | F70369 |

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 36328387_c2_58 | 1973 | 7195 | 609 | 1830 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 36370312_c2_75 | 1974 | 7196 | 148 | 447 | 405 | 1.1e-37 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | sp:MSCL_ECOLI | P23867 |

Description

LARGE-CONDUCTANCE MECHANOSENSITIVE CHANNEL

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 6538962_c1_49 | 1975 | 7197 | 138 | 417 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 782642_c2_77 | 1976 | 7198 | 66 | 201 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 16659411_f2_19 | 1977 | 7199 | 83 | 252 | 183 | 1.9e-13 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 2741687_c1_28 | 1978 | 7200 | 696 | 2091 | 281 | 1.4e-23 |

Protein name

Locus Name

Acc#

conserved hypothetical protein MTH83

pir:F69210

F69210

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 3942136_c3_38 | 1979 | 7201 | 649 | 1950 | 1708 | 8.9e-176 |

Protein name

Locus Name

Acc#

threonyl-tRNA synthetase

pir:B75317

B75317

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4711562_f2_18 | 1980 | 7202 | 421 | 1266 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 7032800_c1_30 | 1981 | 7203 | 116 | 348 | 262 | 1.5e-22 |

Protein name

Locus Name

Acc#

sp:IF3_HAEIN

P43814

Description

TRANSLATION INITIATION FACTOR IF-3

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 10741260_c2_21 | 1982 | 7204 | 74 | 225 | 110 | 1.9e-06 |

Protein name

Locus Name

Acc#

sp:RL29_BACST

P04457

Description

50S RIBOSOMAL PROTEIN L29

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 1204063_c3_23 | 1983 | 7205 | 146 | 441 | 461 | 1.2e-43 |

Protein name

Locus Name

Acc#

sp:RL16_SYNY3

P73313

Description

50S RIBOSOMAL PROTEIN L16

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24399202_c1_16 | 1984 | 7206 | 244 | 735 | 639 | 1.7e-62 |

Protein name

Locus Name

Acc#

gp:AB017508

AB017508

Description

Bacillus halodurans C-125 genomic DNA, 32 kb fragment, completecds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|-----|---------|
| 26600312_c1_14 | 1985 | 7207 | 210 | 633 | 486 | 2.8e-46 |
|----------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:RL4_BACST

P28601

Description

50S RIBOSOMAL PROTEIN L4

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|----|-----|-----|---------|
| 31525257_c3_22 | 1986 | 7208 | 90 | 273 | 326 | 2.5e-29 |
|----------------|------|------|----|-----|-----|---------|

Protein name

Locus Name

Acc#

ribosomal protein S19

pir:H72249

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|-----|-----|---------|
| 4688811_c1_15 | 1987 | 7209 | 279 | 840 | 853 | 3.6e-85 |
|---------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

gp:AB017508

AB017508

Description

Bacillus halodurans C-125 genomic DNA, 32 kb fragment, completecds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|----|-----|-----|---------|
| 4978427_c2_19 | 1988 | 7210 | 97 | 294 | 173 | 4.1e-13 |
|---------------|------|------|----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:RL23_SYNY3

P73318

Description

50S RIBOSOMAL PROTEIN L23

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 5976007_f3_12 | 1989 | 7211 | 64 | 195 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 659702_c1_18 | 1990 | 7212 | 89 | 270 | 278 | 3.1e-24 |

Protein name

Locus Name

Acc#

ribosomal protein S17

pir:C72249

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 6829637_c2_20 | 1991 | 7213 | 143 | 432 | 231 | 2.9e-19 |

Protein name

Locus Name

Acc#

sp:RL22_ECOLI

P02423

Description

50S RIBOSOMAL PROTEIN L22

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 11924131_f1_14 | 1992 | 7214 | 245 | 735 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 12284405_f1_1 | 1993 | 7215 | 400 | 1203 | 279 | 7.7e-23 |

Protein name

Locus Name

Acc#

sp:RFBX_SALTY

P26400

Description

PUTATIVE O-ANTIGEN TRANSPORTER

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 1251537_c2_67 | 1994 | 7216 | 61 | 186 | 81 | 0.014 |

Protein name

Locus Name

Acc#

gp:CEY39C12A

AL132859

Description

Caenorhabditis elegans cosmid Y39C12A, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 1366500_f1_3 | 1995 | 7217 | 383 | 1152 | 158 | 9.7e-09 |

Protein name

Locus Name

Acc#

hypothetical protein 17.9

pir:S22619

S22619

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 13710902_f3_32 | 1996 | 7218 | 407 | 1224 | 142 | 1.1e-06 |

Protein name

Locus Name

Acc#

putative membrane protein

gp:SPN131984

AJ131984

Description

Streptococcus pneumoniae cap37 locus.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 14882818_c2_76 | 1997 | 7219 | 93 | 282 | 165 | 2.9e-12 |

Protein name

Locus Name

Acc#

sp:DBH_BACST

Description

DNA-BINDING PROTEIN II (HB) (HU)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 15822135_f3_31 | 1998 | 7220 | 309 | 930 | 241 | 2.5e-20 |

Protein name

Locus Name

Acc#

sp:Y868_HAEIN

Description

PUTATIVE GLYCOSYL TRANSFERASE HI0868,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 161592_f3_30 | 1999 | 7221 | 321 | 966 | 194 | 3.1e-13 |

Protein name

Locus Name

Acc#

Wbcd

gp:YEU46859

Description

Yersinia enterocolitica lipopolysaccharide O-side chain biosynthesis genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 19697126_f3_37 | 2000 | 7222 | 316 | 951 | 1366 | 1.6e-139 |

Protein name

Locus Name

Acc#

putative UDP-GlcNAc:undecaprenylphosphate

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 1989077_f3_36 | 2001 | 7223 | 320 | 963 | 809 | 2.4e-147 |

Protein name

Locus Name

Acc#

UDP-glucose-4-epimerase/dTDP-glucose-4,6

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 20350437_f2_15 | 2002 | 7224 | 253 | 762 | 362 | 3.8e-33 |

Protein name

Locus Name

Acc#

unknown

gp:AF078135

AF078135

Description

Leptospira borgpetersenii lipopolysaccharide o-antigen biosynthetic locus, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 21879191_f3_40..... | 2003 | 7225 | 239 | 720 | 129 | 2.6e-06 |

Protein name

Locus Name

Acc#

lipopeptide antibiotic iturin A biosynthesis
protein:protein slr0495:protein slr0495

pir:S74408

S74408

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 22304007_f2_29..... | 2004 | 7226 | 404 | 1215 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 23945251_f1_11 | 2005 | 7227 | 453 | 1362 | 542 | 3.2e-52 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hemolysin-related protein | | | pir:F72326 | | F72326 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 24410751_c2_85 | 2006 | 7228 | 64 | 195 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | | | | |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 24426550_f1_8 | 2007 | 7229 | 370 | 1113 | 594 | 1.0e-57 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| A/G-specific adenine glycosylase homolog yfhQ | | | pir:A69802 | | A69802 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 24813137_f1_10 | 2008 | 7230 | 156 | 471 | 331 | 7.4e-30 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| single stranded DNA-binding protein | | | gp:SHU64098 | | U64098 | |
| <u>Description</u> | | | | | | |
| Shewanella hanedai single stranded DNA-binding protein (ssb) gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|-----|----|--------|
| 2537767_c2_88 | 2009 | 7231 | 105 | 315 | 76 | 0.0077 |
|---------------|------|------|-----|-----|----|--------|

Protein name

Locus Name

Acc#

host shut off virion protein

gp:CHDNACSO

X89471

Description

Canine herpesvirus DNA for capsid and host shut off virion proteingenes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|----|-----|--|--|
| 26303426_c3_102 | 2010 | 7232 | 77 | 234 | | |
|-----------------|------|------|----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------------|------|------|-----|------|--|--|
| 26376260_f2_26..... | 2011 | 7233 | 781 | 2346 | | |
|---------------------|------|------|-----|------|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|------------------|------|------|-----|-----|-----|---------|
| 32637_f3_35..... | 2012 | 7234 | 262 | 789 | 249 | 3.6e-21 |
|------------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

rhamnosyl transferase

gp:AF097519

AF097519

Description

Klebsiella pneumoniae dTDP-D-glucose 4,6 dehydratase (rmlB), glucose-1-phosphate thymidyl transferase (rmlA), dTDP-4-keto-L-rhamnose reductase (rmlD), dTDP-4-keto-6-deoxy-D-glucose 3,5-epimerase (rmlC), and rhamnosyltransferase (wbbL) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------|------|------|------------|-----------|-------|-------------|
| 34101512_c2_68 | 2013 | 7235 | 110 | 333 | 172 | 5.2e-13 |
| Protein name | | | Locus Name | | | Acc# |
| conserved hypothetical protein | | | pir:G75347 | | | G75347 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|-------|-------------|
| 4023377...f1_2..... | 2014 | 7236 | 318 | 957 | 79 | 0.023 |
| Protein name | | | Locus Name | | | Acc# |
| ribosomal protein S10 | | | gp:U17009 | | | U17009 |
| Description | | | | | | |
| Phytophthora infestans mitochondrion, complete genome. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|------------|-----------|-------|-------------|
| 4719137...c1_65..... | 2015 | 7237 | 61 | 186 | | |
| Protein name | | | Locus Name | | | Acc# |
| | | | | | | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------|-----------|-------|-------------|
| 4728313...f2_16..... | 2016 | 7238 | 254 | 765 | 348 | 1.2e-31 |
| Protein name | | | Locus Name | | | Acc# |
| putative glycosyl transferase | | | gp:AF048749 | | | AF048749 |
| Description | | | | | | |
| Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 4875677_f1_9 | 2017 | 7239 | 526 | 1581 | 297 | 1.2e-45 |

Protein name

Locus Name

Acc#

sp:STS_HUMAN

P08842

Description

SULFATE SULFOHYDROLASE) (ARYLSULFATASE C) (ASC)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 5273377_f3_33 | 2018 | 7240 | 299 | 900 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 5287507_f1_13 | 2019 | 7241 | 291 | 876 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 582628_c3_92 | 2020 | 7242 | 123 | 372 | 118 | 2.8e-07 |

Protein name

Locus Name

Acc#

YjdI-like protein

gp:LLLNISZ

Y13384

Description

Lactococcus lactis nisZ gene and 3 ORF's.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|----|-----|----|--------|
| 6015692_f3_45 | 2021 | 7243 | 68 | 207 | 86 | 0.0011 |
|---------------|------|------|----|-----|----|--------|

Protein name

Locus Name

Acc#

cryptogene protein G4

pir:S51910

S51910

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|------|-----|---------|
| 7240938_c1_63 | 2022 | 7244 | 527 | 1584 | 631 | 5.5e-76 |
|---------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

sp:CAFA_HAEIN

P45175

Description

CYTOPLASMIC AXIAL FILAMENT PROTEIN

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|-----|-----|---------|
| 9954652_f3_34 | 2023 | 7245 | 207 | 624 | 424 | 1.0e-39 |
|---------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:WBBJ_ECOLI

Description

(EC 2.3.1.-)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|------|----|--------|
| 10558252_f2_8 | 2024 | 7246 | 335 | 1008 | 88 | 0.0017 |
|---------------|------|------|-----|------|----|--------|

Protein name

Locus Name

Acc#

transposase

gp:AF038866

AF038866

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 12351376_f2_7 | 2025 | 7247 | 529 | 1590 | 1357 | 1.4e-138 |

Protein name

Locus Name

Acc#

unknown

gp:AF125164

AF125164

Description

Bacteroides fragilis 638R polysaccharide B (PS B2) biosynthesis locus, complete sequence; and unknown genes.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 16102032_f2_6 | 2026 | 7248 | 68 | 207 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-------------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 25962692...c3...33..... | 2027 | 7249 | 104 | 315 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 31770636_f2_4..... | 2028 | 7250 | 305 | 918 | 95 | 0.013 |

Protein name

Locus Name

Acc#

gp:AB021078

AB021078

Description

plasmid Col1b-P9 DNA, complete sequence.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 7089527_f3_11 | 2029 | 7251 | 74 | 225 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 196952_f3_10 | 2030 | 7252 | 509 | 1530 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 203177_f1_3 | 2031 | 7253 | 362 | 1089 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23633438_c3_38 | 2032 | 7254 | 67 | 204 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23635900_f2_6 | 2033 | 7255 | 344 | 1035 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 24649063_f1_2 | 2034 | 7256 | 345 | 1038 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 35632826_f2_7 | 2035 | 7257 | 227 | 684 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 45317951_f2_5 | 2036 | 7258 | 646 | 1941 | 233 | 4.5e-18 |

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 7275081_f1_1 | 2037 | 7259 | 246 | 741 | 157 | 4.8e-16 |

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|------------|-----------|--------|-------------|
| 10552188_c3_304 | 2038 | 7260 | 170 | 513 | 158 | 5.9e-14 |
| Protein name | | | Locus Name | | Acc# | |
| glucosamine--fructose-6-phosphate aminotransferase PAB2201 | | | pir:F75212 | | F75212 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|---------------|-----------|--------|-------------|
| 10735812_f1_17..... | 2039 | 7261 | 112 | 339 | 154 | 4.4e-10 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:ASNB_ECOLI | | P22106 | |
| Description | | | | | | |
| | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|--------|-------------|
| 10744013_c1_192..... | 2040 | 7262 | 189 | 570 | 114 | 3.0e-05 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein RV1624c | | | pir:F70558 | | F70558 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|---------------|-----------|--------|-------------|
| 10991288_f1_36..... | 2041 | 7263 | 220 | 663 | 291 | 1.3e-25 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:TRPF_THEMA | | Q56320 | |
| Description | | | | | | |

N-(5'-PHOSPHORIBOSYL)ANTHRANILATE ISOMERASE, (PRAI)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 11879400_c2_208 | 2042 | 7264 | 774 | 2325 | 243 | 6.9e-17 |

Protein name

Locus Name

Acc#

sp:CIRA_ECOLI

P17315

Description

COLICIN I RECEPTOR PRECURSOR

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 12125931_f3_144 | 2043 | 7265 | 214 | 645 | 220 | 4.3e-18 |

Protein name

Locus Name

Acc#

2,3,4,5-tetrahydropyridine-2-carboxylate
N-succinyltransferase-related protein

pir:H72245

H72245

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 12213186_f3_148 | 2044 | 7266 | 210 | 633 | 336 | 2.2e-30 |

Protein name

Locus Name

Acc#

flavodoxin

pir:H71850

H71850

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 1228787_f3_136 | 2045 | 7267 | 486 | 1461 | 718 | 7.2e-71 |

Protein name

Locus Name

Acc#

anthranilate synthase, component I

pir:D72414

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 12988762_f3_145 | 2046 | 7268 | 69 | 210 | 82 | 0.026 |

Protein name

Locus Name

Acc#

sp:NU5M_PETMA

Q35543

Description

NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14336463_c2_209 | 2047 | 7269 | 340 | 1023 | 332 | 6.1e-45 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:D72115

D72115

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 14354642_f1_8 | 2048 | 7270 | 449 | 1350 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14632808_f3_142 | 2049 | 7271 | 813 | 2442 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 14726593_f1_24 | 2050 | 7272 | 101 | 306 | 163 | 2.7e-11 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:S76639

S76639

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|------------------------------|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 15656537_c3_309 | 2051 | 7273 | 446 | 1341 | 133 | 1.3e-05 |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| hypothetical protein aq_1059 | pir:C70391 | | | | C70391 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 16832885_c3_293 | 2052 | 7274 | 431 | 1296 | 1723 | 2.3e-177 |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| hypothetical protein | pir:JQ1020 | | | | JQ1020 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 182832_c1_203 | 2053 | 7275 | 384 | 1155 | 1034 | 2.4e-104 |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| carbamoyl phosphate synthetase III | gp:FR24G11 | | | | Z93780 | |
| <u>Description</u> | | | | | | |
| Fugu rubripes genes encoding carbamoyl phosphate synthetase III, myosin light chain, MAP2. | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 19578255_f2_87 | 2054 | 7276 | 231 | 696 | 460 | 1.6e-43 |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| | sp:TRPG_THEMEA | | | | Q08654 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|----|-----|----|-------|
| 1964390_f2_83 | 2055 | 7277 | 97 | 294 | 83 | 0.035 |
|---------------|------|------|----|-----|----|-------|

Protein name

Locus Name

Acc#

hypothetical protein HeIE

pir:T08605

T08605

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|------|--|--|
| 19955328_f3_123 | 2056 | 7278 | 498 | 1497 | | |
|-----------------|------|------|-----|------|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|------|-----|---------|
| 2111262_f1_37 | 2057 | 7279 | 362 | 1089 | 736 | 8.9e-73 |
|---------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

sp:ASG1_ECOLI

P18840

Description

(L-ASNASE I)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|------|-----|---------|
| 2131327_f1_40 | 2058 | 7280 | 386 | 1161 | 198 | 3.4e-32 |
|---------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

Cps9F

gp:AF155805

AF155805

Description

Streptococcus suis strain 5218 Cps9D (cps9D) gene, partial cds; Cps9E (cps9E), Cps9F (cps9F), and Cps9G (cps9G) genes, complete cds; and Cps9H (cps9H) gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 22033141_c1_162 | 2059 | 7281 | 140 | 423 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 22270175_f1_21 | 2060 | 7282 | 300 | 903 | 186 | 1.8e-11 |

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 22304531_f1_31 | 2061 | 7283 | 401 | 1206 | 1218 | 7.5e-124 |

Protein name

Locus Name

Acc#

sp:TRPB_THEMEA

P50909

Description

TRYPTOPHAN SYNTHASE BETA CHAIN,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 22460027_f3_151 | 2062 | 7284 | 90 | 273 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 22860128_c1_190 | 2063 | 7285 | 83 | 252 | 64 | 0.031 |

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23600812_c1_169 | 2064 | 7286 | 104 | 315 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 23650256_c3_289..... | 2065 | 7287 | 382 | 1149 | 971 | 1.1e-97 |

Protein name

Locus Name

Acc#

sp:YQHD_ECOLI

Q46856

Description

HYPOTHETICAL OXIDOREDUCTASE IN METC-SUFI INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 23851532_c1_204..... | 2066 | 7288 | 1084 | 3255 | 3165 | 0.0 |

Protein name

Locus Name

Acc#

sp:PYRI_DICDI

P20054

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24022162_f3_147 | 2067 | 7289 | 395 | 1188 | 1161 | 8.2e-118 |

Protein name

Locus Name

Acc#

sp:PU91_YEAST

P54113

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24026537_f1_23 | 2068 | 7290 | 313 | 942 | 962 | 1.0e-96 |

Protein name

Locus Name

Acc#

aspartate aminotransferase related protein

pir:E69168

E69168

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24081580_f3_121 | 2069 | 7291 | 505 | 1518 | 1698 | 1.0e-174 |

Protein name

Locus Name

Acc#

gp:AB025342

AB025342

Description

Moritella marina genes, complete cds, similar to eicosapentaenoic acid synthesis gene cluster.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24267843_f2_81 | 2070 | 7292 | 284 | 855 | 244 | 1.2e-20 |

Protein name

Locus Name

Acc#

exopolyphosphatase

pir:E70376

E70376

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24317552_f3_143 | 2071 | 7293 | 331 | 996 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24429187_f3_152 | 2072 | 7294 | 165 | 498 | 324 | 4.1e-29 |

Protein name

Locus Name

Acc#

sp:THIO_BORBU

051088

Description

THIOREDOXIN (TRX)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24486082_f1_35 | 2073 | 7295 | 281 | 846 | 436 | 5.5e-41 |

Protein name

Locus Name

Acc#

sp:TRPC_PSEPU

P20578

Description

INDOLE-3-GLYCEROL PHOSPHATE SYNTHASE, (IGPS)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 245927_c1_173 | 2074 | 7296 | 238 | 717 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24641962_f3_140 | 2075 | 7297 | 265 | 798 | 407 | 6.5e-38 |

Protein name

Locus Name

Acc#

sp:TRPA_METVO

P14637

Description

TRYPTOPHAN SYNTHASE ALPHA CHAIN,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24645650_c2_265 | 2076 | 7298 | 388 | 1167 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26820202_f3_131 | 2077 | 7299 | 73 | 222 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 2744752_f2_71 | 2078 | 7300 | 269 | 810 | 148 | 8.9e-09 |

Protein name

Locus Name

Acc#

probable glycerophosphoryl diester
phosphodiesterase

pir:G75506

G75506

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 2914202_c3_305 | 2079 | 7301 | 627 | 1884 | 151 | 1.2e-23 |

Protein name

Locus Name

Acc#

sp:PUR1_HAEIN

P43854

Description

PHOSPHORIBOSYLPYROPHOSPHATE AMIDOTRANSFERASE) (ATASE) (GPATASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 2926562_f2_99 | 2080 | 7302 | 352 | 1059 | 221 | 5.2e-18 |

Protein name

Locus Name

Acc#

subunit of the terminal oxidase with unknown

gp:AADOXP24H

Y08730

Description

A.ambivalens doxA gene locus with doxD and doxA genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 2947687_c2_263 | 2081 | 7303 | 119 | 360 | 152 | 6.9e-11 |

Protein name

Locus Name

Acc#

probable thioredoxin

pir:T08271

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 31672007_f3_130 | 2082 | 7304 | 692 | 2079 | 1338 | 1.4e-136 |

Protein name

Locus Name

Acc#

polyphosphate kinase

gp:AF083928

AF083928

Description

Vibrio cholerae polyphosphate kinase (ppk) and exopolyphosphatase (ppx) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|-------------------|-----------|-------------|-------------|
| 31750887_c3_285 | 2083 | 7305 | 75 | 228 | 101 | 1.7e-05 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein APE2554 | | | pir:C72489 | | C72489 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------------|------|------|-------------------|-----------|-------------|-------------|
| 32440650_c2_243 | 2084 | 7306 | 547 | 1644 | 79 | 0.0024 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | gp:CELB0454 | | AF025452 | |
| <u>Description</u> | | | | | | |
| Caenorhabditis elegans cosmid B0454. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 32458331_f3_137 | 2085 | 7307 | 342 | 1029 | 541 | 4.1e-52 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | sp:TRPD_METJA | | Q57686 | |
| <u>Description</u> | | | | | | |
| ANTHRANILATE PHOSPHORIBOSYLTRANSFERASE, | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 33398412_c2_266 | 2086 | 7308 | 151 | 453 | 109 | 4.1e-05 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| immunoreactive 36 kDa antigen PG14 | | | gp:AF145798 | | AF145798 | |
| <u>Description</u> | | | | | | |
| Porphyromonas gingivalis strain W50 immunoreactive 36 kDa antigenPGI4 gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 3376327_f3_106 | 2087 | 7309 | 64 | 195 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 34017302_f3_126 | 2088 | 7310 | 303 | 912 | 550 | 4.6e-53 |

Protein name

Locus Name

Acc#

sp:DAPF_SYNY3

P74667

Description

DIAMINOPIMELATE EPIMERASE, (DAP EPIMERASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 34235700_f3_129 | 2089 | 7311 | 60 | 183 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 35345063_f3_161 | 2090 | 7312 | 66 | 201 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 35392907_f2_75 | 2091 | 7313 | 92 | 279 | 258 | 7.2e-22 |

Protein name

Locus Name

Acc#

aspartate aminotransferase related protein

pir:E69168

E69168

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 36136262_c2_216 | 2092 | 7314 | 210 | 633 | 136 | 5.5e-12 |

Protein name

Locus Name

Acc#

probable response regulator

pir:T34675

T34675

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4082762_c1_165 | 2093 | 7315 | 378 | 1137 | 474 | 5.2e-45 |

Protein name

Locus Name

Acc#

sp:MAUG_PARDE

Q51658

Description

METHYLAMINE UTILIZATION PROTEIN MAUG PRECURSOR

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4379433_f1_39 | 2094 | 7316 | 143 | 432 | 203 | 5.7e-15 |

Protein name

Locus Name

Acc#

bZIP histidine kinase

gp:PPUY18245

Y18245

Description

Pseudomonas putida todX, todF, todC1, todC2, todB, todA, todD, todE, todG, todI, todH, todS, todT genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 6057812_f1_43 | 2095 | 7317 | 134 | 405 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------|------|------|-----------|-----------|-------|-------------|
| 806512_f1_5 | 2096 | 7318 | 321 | 966 | 194 | 1.2e-13 |

Protein name

Locus Name

Acc#

PobR protein

gp:PPU251792

AJ251792

Description

Pseudomonas putida pobR gene for PobR protein and pobA gene for Poba protein.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 11816716_c3_86 | 2097 | 7319 | 78 | 237 | 119 | 2.8e-07 |

Protein name

Locus Name

Acc#

gp:D90701

Description

Escherichia coli genomic DNA. (13.6 - 14.0 min).

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 16051540_c1_63 | 2098 | 7320 | 122 | 369 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 20203951_c1_55 | 2099 | 7321 | 90 | 273 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 20895303_f1_11 | 2100 | 7322 | 1045 | 3138 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 22687817_c3_100 | 2101 | 7323 | 126 | 381 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24335781_f2_25 | 2102 | 7324 | 140 | 423 | 77 | 0.0064 |

Protein name

Locus Name

Acc#

sp:NOLP_RHILP

P23717

Description

NODULATION PROTEIN NOLP

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24727127_c3_102 | 2103 | 7325 | 155 | 468 | 243 | 2.1e-20 |

| Protein name | Locus Name | Acc# |
|--|-------------|----------|
| putative oxygen-independent coproporphyrinogen | gp:AF157642 | AF157642 |

Description

Desulfitobacterium dehalogenans putative oxygen-independent coproporphyrinogen III oxidase (hemN) gene, partial cds; Hrd22-1 (hrd22-1) gene, complete cds; and two-component sensor histidine kinase homolog (hkhB) gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 25494062_c3_99 | 2104 | 7326 | 84 | 255 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26594127_f3_40 | 2105 | 7327 | 536 | 1611 | 2764 | 1.1e-287 |

| Protein name | Locus Name | Acc# |
|------------------------|-------------|----------|
| mobilization protein C | gp:AF118243 | AF118243 |

Description

Bacteroides fragilis mobilization protein C (mobC) gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26602175_c1_62 | 2106 | 7328 | 229 | 690 | 171 | 6.7e-13 |

| Protein name | Locus Name | Acc# |
|---|-------------|----------|
| RNA polymerase sigma factor SigZ-like protein | gp:AF137263 | AF137263 |

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 33708427_c1_43 | 2107 | 7329 | 157 | 474 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 34412578_f1_1 | 2108 | 7330 | 102 | 309 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 36367837_c1_44 | 2109 | 7331 | 423 | 1272 | 531 | 4.0e-55 |

Protein name

Locus Name

Acc#

sp:YBDN_ECOLI

P77216

Description

HYPOTHETICAL 47.8 KD PROTEIN IN CSTA-DSBG INTERGENIC REGION

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4032950_f1_3 | 2110 | 7332 | 296 | 891 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4103377_f2_28 | 2111 | 7333 | 118 | 357 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4180181_c2_68 | 2112 | 7334 | 126 | 381 | 265 | 7.3e-23 |

Protein name

Locus Name

Acc#

unknown

gp:AF118244

AF118244

Description

Bacteroides fragilis unknown gene.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4406908_c1_46 | 2113 | 7335 | 69 | 210 | 199 | 7.2e-16 |

Protein name

Locus Name

Acc#

sp:YBDM_ECOLI

P77174

Description

HYPOTHETICAL 23.9 KD PROTEIN IN CSTA-DSBG INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 4486052_f1_2 | 2114 | 7336 | 69 | 210 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------|-------------|
| 6287687_f1_10 | 2115 | 7337 | 439 | 1320 | 130 | 3.1e-05 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| M protein | | | gp:SSGEMM | | | X60098 |
| <u>Description</u> | | | | | | |
| Streptococcus sp. (group G) emm gene for M protein. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------------------|------|------|-------------------|-----------|-------|-------------|
| 6522533_c2_81 | 2116 | 7338 | 213 | 642 | 120 | 4.3e-05 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| probable transposase for IS1558 | | | pir:F70678 | | | F70678 |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------|-------------|
| 9897137_c3_103..... | 2117 | 7339 | 102 | 309 | 83 | 0.0087 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| coproporphyrinogen III oxidase | | | gp:BSHRCA | | | Y09446 |
| <u>Description</u> | | | | | | |
| B.stearothermophilus hemN gene (partial) and hrCA gene. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------|-------------|
| 14463305_c3_24..... | 2118 | 7340 | 520 | 1563 | 1215 | 1.6e-123 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| 50 kD antigen PG1 | | | gp:AF144076 | | | AF144076 |
| <u>Description</u> | | | | | | |
| Porphyromonas gingivalis strain W50 50 kD antigen PG1 gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 16603425_c1_18 | 2119 | 7341 | 361 | 1083 | 558 | 1.7e-68 |

Protein name

Locus Name

Acc#

NqrB

gp:AF165980

AF165980

Description

Vibrio harveyi Na+-translocating NADH-quinone oxidoreductase complex operon, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 19775252_f2_8 | 2120 | 7342 | 432 | 1299 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 30728302_c3_23 | 2121 | 7343 | 355 | 1068 | 707 | 1.1e-69 |

Protein name

Locus Name

Acc#

sp:BLMH_RAT

P70645

Description

BLEOMYCIN HYDROLASE, (BLM HYDROLASE) (BMH)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 13845052_c3_49 | 2122 | 7344 | 812 | 2439 | 649 | 3.1e-82 |

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 1953386_f3_23 | 2123 | 7345 | 148 | 447 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 19553528_g1_32 | 2124 | 7346 | 101 | 306 | 99 | 2.8e-05 |

Protein name

Locus Name

Acc#

sp:Y660_HAEIN

P44031

Description

HYPOTHETICAL PROTEIN HI0660

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 21988900_f2_17 | 2125 | 7347 | 316 | 951 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23492761_f1_6 | 2126 | 7348 | 89 | 270 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23610933_c1_26 | 2127 | 7349 | 60 | 183 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23643903_f1_3 | 2128 | 7350 | 121 | 366 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24494056_f1_7 | 2129 | 7351 | 498 | 1494 | 481 | 1.1e-44 |

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein.

pir:JC6027

JC6027

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24892087_c1_36 | 2130 | 7352 | 332 | 996 | 178 | 2.9e-10 |

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 29691536_f2_13 | 2131 | 7353 | 89 | 270 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 31414132_c2_41 | 2132 | 7354 | 68 | 207 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 7245312_c3_47 | 2133 | 7355 | 101 | 306 | 101 | 1.7e-05 |

Protein name

Locus Name

Acc#

putative transcriptional regulator

gp:YPPCP1

AL109969

Description

Yersinia pestis plasmid pPCP1.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 1360802_f3_34 | 2134 | 7356 | 373 | 1122 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 13884652_f3_32 | 2135 | 7357 | 125 | 378 | 259 | 2.2e-21 |

Protein name

Locus Name

Acc#

sp:TRA2_BACFR

Q45119

Description

TRANSPOSASE FOR INSERTION SEQUENCE ELEMENT IS21-LIKE

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 14556510_f3_30 | 2136 | 7358 | 209 | 630 | 396 | 9.6e-37 |

Protein name

Locus Name

Acc#

YadS

gp:AF198617

AF198617

Description

Aeromonas caviae polar flagella locus, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 195337_f3_33 | 2137 | 7359 | 103 | 312 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 20815912_c2_56 | 2138 | 7360 | 446 | 1341 | 494 | 3.9e-47 |

Protein name

Locus Name

Acc#

lipopolysaccharide biosynthesis protein bplD homolog

pir:G64487

G64487

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 25422952_f1_12 | 2139 | 7361 | 165 | 498 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 26174037_f1_9 | 2140 | 7362 | 88 | 267 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26581625_f3_35 | 2141 | 7363 | 320 | 963 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 30523513_c1_47 | 2142 | 7364 | 731 | 2193 | 122 | 0.00035 |

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4006551_f1_10 | 2143 | 7365 | 110 | 333 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 32665833_c1_32 | 2148 | 7370 | 577 | 1731 | 150 | 3.4e-07 |

Protein name

Locus Name

Acc#

immunoreactive 53 kD antigen PG123

gp:AF144641

AF144641

Description

Porphyromonas gingivalis strain W50 immunoreactive 53 kD antigenPG123 gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 36226558_c1_31 | 2149 | 7371 | 118 | 357 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 36363967_c2_34 | 2150 | 7372 | 109 | 330 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 36525317_c1_28 | 2151 | 7373 | 95 | 288 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 36679717_c2_33 | 2152 | 7374 | 61 | 186 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 5332628_c3_42 | 2153 | 7375 | 73 | 222 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 6459782_c2_35 | 2154 | 7376 | 138 | 417 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 23992175_c3_29 | 2155 | 7377 | 432 | 1296 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 24006387_f1_4 | 2156 | 7378 | 763 | 2292 | 613 | 6.0e-59 |

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|----|-----|----|-------|
| 24511625_f1_5 | 2157 | 7379 | 70 | 213 | 52 | 0.042 |
|---------------|------|------|----|-----|----|-------|

Protein name

Locus Name

Acc#

heat shock transcription factor HSF21

pir:S59537

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|------|-----|---------|
| 24666656_f2_6 | 2158 | 7380 | 397 | 1194 | 229 | 1.5e-16 |
|---------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

dipeptidase homolog

gp:AF060858

AF060858

Description

Salmonella dublin regulatory protein CopR (copR), histidine kinase(copS), SPI-4 pathogenicity island containing dipeptidase homolog(pipD), SopB (sopB), PipC (pipC), PipB (pipB), and PipA (pipA)genes, complete cds; and tRNA-Ser gene, complete sequence; and unknown genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|------|------|----------|
| 33412762_f1_2 | 2159 | 7381 | 586 | 1761 | 1163 | 5.0e-118 |
|---------------|------|------|-----|------|------|----------|

Protein name

Locus Name

Acc#

sp:YHXB_BACSU

P18159

Description

PROBABLE PHOSPHOMANNOMUTASE, (PMM)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|----|-----|--|--|
| 34119717_f3_12 | 2160 | 7382 | 64 | 195 | | |
|----------------|------|------|----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 3912688_c2_26 | 2161 | 7383 | 81 | 246 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4344035_f3_13 | 2162 | 7384 | 314 | 945 | 135 | 2.4e-06 |

Protein name

Locus Name

Acc#

transmembrane sensor

gp:AF051691

AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor (fiuI), transmembrane sensor (fiuR), and hydroxamate-type ferrisiderophore receptor (fiuA) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 4735655_f2_9 | 2163 | 7385 | 195 | 588 | 199 | 7.2e-16 |

Protein name

Locus Name

Acc#

RNA polymerase sigma factor SigZ-like protein

gp:AF137263

AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 3001688_f3_13 | 2164 | 7386 | 629 | 1890 | 1567 | 7.8e-161 |

Protein name

Locus Name

Acc#

sp:PARE_BORBU

Q59189

Description

TOPOISOMERASE IV SUBUNIT B,

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 33361630_f2_9 | 2165 | 7387 | 160 | 483 | 305 | 4.2e-27 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| probable KDO transferase | | | pir:T35652 | | T35652 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 33707761_c3_32 | 2166 | 7388 | 146 | 441 | 131 | 1.2e-08 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein PH0474 | | | pir:E71159 | | E71159 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 4038927_f1_1 | 2167 | 7389 | 381 | 1146 | 331 | 7.4e-30 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein b2981 | | | pir:C65084 | | C65084 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 4195250_f3_11 | 2168 | 7390 | 323 | 972 | 627 | 3.2e-61 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| conserved hypothetical protein aq_066 | | | pir:E70306 | | E70306 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 5126407_f2_10 | 2169 | 7391 | 306 | 921 | 409 | 4.0e-38 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| carboxy-terminal processing proteinase ctpA, :tail-specific endopeptidase Prc | | | pir:B69610 | | | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 14664017_c3_5 | 2170 | 7392 | 209 | 627 | 376 | 1.9e-33 |

| Protein name | Locus Name | Acc# |
|-------------------------|--------------|----------|
| receptor antigen (RagA) | gp:PGI130872 | AJ130872 |

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 24257800_f2_2 | 2171 | 7393 | 398 | 1197 | 343 | 4.0e-31 |

| Protein name | Locus Name | Acc# |
|--------------|-------------|----------|
| transposase | gp:AF038866 | AF038866 |

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 12687687_f3_16 | 2172 | 7394 | 156 | 471 | 147 | 2.5e-10 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:CUTF_ECOLI | P40710 |

Description

COPPER HOMEOSTASIS PROTEIN CUTF PRECURSOR (LIPOPROTEIN NLPE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 14067057_f1_8 | 2173 | 7395 | 738 | 2217 | 863 | 3.1e-86 |

| Protein name | Locus Name | Acc# |
|---|------------|--------|
| Na ⁺ /H ⁺ -exchanging protein slr1595:Na ⁺ /H ⁺ antiporter:Na ⁺ /H ⁺ antiporter | pir:S74951 | S74951 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|--------------|-----------|-------|-------------|
| 14354762_f3_15 | 2174 | 7396 | 117 | 354 | 90 | 0.0020 |
| Protein name | | | Locus Name | | | Acc# |
| | | | gp:CEY111B2C | | | AL132906 |
| Description | | | | | | |
| Caenorhabditis elegans cosmid Y111B2C, complete sequence. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|------------|-----------|-------|-------------|
| 16832885_f2_14 | 2175 | 7397 | 182 | 546 | 702 | 3.6e-69 |
| Protein name | | | Locus Name | | | Acc# |
| hypothetical protein | | | pir:JQ1020 | | | JQ1020 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|---------------|-----------|-------|-------------|
| 22860128_f3_26 | 2176 | 7398 | 83 | 252 | 64 | 0.031 |
| Protein name | | | Locus Name | | | Acc# |
| | | | sp:SPRC_XENLA | | | P36378 |
| Description | | | | | | |
| (OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40) | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|-------|-------------|
| 24412566_f2_13 | 2177 | 7399 | 358 | 1077 | 153 | 1.1e-07 |
| Protein name | | | Locus Name | | | Acc# |
| KIAA0850 protein | | | gp:AB020657 | | | AB020657 |
| Description | | | | | | |
| Homo sapiens mRNA for KIAA0850 protein, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|----|--------|
| 34181531_c1_33 | 2178 | 7400 | 402 | 1209 | 86 | 0.0058 |
|----------------|------|------|-----|------|----|--------|

Protein name

Locus Name

Acc#

sp:Y414_HAEIN

Description

HYPOTHETICAL PROTEIN HI0414

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|------|--|--|
| 5172277_c2_40 | 2179 | 7401 | 466 | 1401 | | |
|---------------|------|------|-----|------|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|----|-----|--|--|
| 16270793_c2_53 | 2180 | 7402 | 87 | 264 | | |
|----------------|------|------|----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|------|-----|---------|
| 2007255_c3_60 | 2181 | 7403 | 419 | 1260 | 759 | 3.3e-75 |
|---------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

hypothetical protein

pir:G72244

G72244

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 22150262_c2_47 | 2182 | 7404 | 211 | 636 | 570 | 3.5e-55 |

Protein name

Locus Name

Acc#

sp:Y168_HAEIN

Description

HYPOTHETICAL PROTEIN HI0168/169

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24744125_c1_44 | 2183 | 7405 | 164 | 495 | 276 | 5.0e-24 |

Protein name

Locus Name

Acc#

macrophage infectivity potentiator

gp:LSU92222

U92222

Description

Legionella spiritensis macrophage infectivity potentiator (mip) gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24804642_c1_41 | 2184 | 7406 | 429 | 1290 | 1031 | 4.9e-104 |

Protein name

Locus Name

Acc#

Na+-translocating NADH-ubiquinone oxidoreductase, beta chain

pir:D64052

D64052

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26214062_c1_46 | 2185 | 7407 | 152 | 456 | 155 | 1.5e-10 |

Protein name

Locus Name

Acc#

sp:T2H2_HAEPA

P36433

Description

(R.HPA11)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26456280_c1_42 | 2186 | 7408 | 471 | 1416 | 452 | 1.5e-51 |

Protein name

Locus Name

Acc#

sp:DEAD_BACSU

P42305

Description

PROBABLE ATP-DEPENDENT RNA HELICASE DEAD

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 30105385_c3_61 | 2187 | 7409 | 183 | 552 | 221 | 3.3e-18 |

Protein name

Locus Name

Acc#

gp:AB014075

AB014075

Description

Clostridium histolyticum genes for hypoxanthine-guaninephosphoribosyl-transferase (HGPRase), GTPase and 12 ORFs, complete and partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 34174063_c3_55..... | 2188 | 7410 | 214 | 645 | 626 | 4.1e-61 |

Protein name

Locus Name

Acc#

sp:NQRE_HAEIN

P71342

Description

(NA-NQR COMPLEX SUBUNIT 5)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 35806324_c1_40..... | 2189 | 7411 | 84 | 255 | 102 | 4.8e-05 |

Protein name

Locus Name

Acc#

Na+-translocating NADH-ubiquinone oxidoreductase, gamma chain

pir:S65528

S65528

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4142191_c1_43 | 2190 | 7412 | 365 | 1098 | 839 | 1.1e-83 |

Protein name

Locus Name

Acc#

sp:SERC_BACSU

Description

PROTEIN 234) (VEG234)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 916577_c3_59 | 2191 | 7413 | 327 | 984 | 1049 | 6.1e-106 |

Protein name

Locus Name

Acc#

D-3-phosphoglycerate dehydrogenase

gp:AF079881

AF079881

Description

Entodinium caudatum D-3-phosphoglycerate dehydrogenase mRNA,partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------|------|------|-----------|-----------|-------|-------------|
| 984752_c2_3 | 2192 | 7414 | 110 | 333 | 460 | 1.6e-43 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 116052_c2_50 | 2193 | 7415 | 86 | 261 | 96 | 5.9e-05 |

Protein name

Locus Name

Acc#

hypothetical protein MJ1608

pir:G64500

G64500

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 12704377_f2_10 | 2194 | 7416 | 61 | 186 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 16832885_f1_6 | 2195 | 7417 | 271 | 813 | 1021 | 5.6e-103 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 19923150_c3_61 | 2196 | 7418 | 175 | 528 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 20500430_f3_31 | 2197 | 7419 | 115 | 348 | 72 | 0.020 |

Protein name

Locus Name

Acc#

PRO1914

gp:AF118084

AF118084

Description

Homo sapiens PRO1914 mRNA, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 22860128_f2_21 | 2198 | 7420 | 83 | 252 | 64 | 0.031 |

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24229677_c3_60 | 2199 | 7421 | 113 | 342 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 25835942_c1_41 | 2200 | 7422 | 161 | 486 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34173157_c1_37 | 2201 | 7423 | 198 | 597 | 483 | 5.8e-46 |

Protein name

Locus Name

Acc#

conserved hypothetical protein CAB06296

pir:T17189

T17189

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|-------|-------------|
| 34407161_c3_65 | 2202 | 7424 | 339 | 1020 | 652 | 7.1e-64 |
| Protein name | | | Locus Name | | | Acc# |
| low specificity L-threonine aldolase | | | gp:AB001577 | | | AB001577 |
| Description | | | | | | |
| Pseudomonas sp. DNA for low specificity L-threonine aldolase, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------|------|------|------------|-----------|-------|-------------|
| 35166557_f3_22 | 2203 | 7425 | 736 | 2211 | 120 | 0.0012 |
| Protein name | | | Locus Name | | | Acc# |
| hypothetical protein T13D8.29 | | | pir:T02292 | | | T02292 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|-------|-------------|
| 4329831_c2_51 | 2204 | 7426 | 186 | 561 | 218 | 7.0e-18 |
| Protein name | | | Locus Name | | | Acc# |
| AlgT | | | gp:AF190580 | | | AF190580 |
| Description | | | | | | |
| Pseudomonas syringae pv. syringae AlgT (algT) gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|------------|-----------|-------|-------------|
| 5188937_f1_4 | 2205 | 7427 | 146 | 441 | | |
| Protein name | | | Locus Name | | | Acc# |
| | | | | | | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|--------------|------|------|-----|------|------|----------|
| 582552_f3_29 | 2206 | 7428 | 601 | 1806 | 1549 | 6.3e-159 |
|--------------|------|------|-----|------|------|----------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

| | | |
|------------------------|------------|--------|
| pyruvate dehydrogenase | pir:T34668 | T34668 |
|------------------------|------------|--------|

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|--------------|------|------|----|-----|--|--|
| 595700_c2_46 | 2207 | 7429 | 89 | 270 | | |
|--------------|------|------|----|-----|--|--|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|----|-----|-----|---------|
| 7167057_c2_45 | 2208 | 7430 | 90 | 273 | 100 | 0.00069 |
|---------------|------|------|----|-----|-----|---------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

| | |
|---------------|--------|
| sp:YHV8_YEAST | P38853 |
|---------------|--------|

Description

HYPOTHETICAL 131.1 KD PROTEIN IN REC104-SOL3 INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|----|-----|-----|---------|
| 11049030_c1_97 | 2209 | 7431 | 70 | 213 | 109 | 3.3e-06 |
|----------------|------|------|----|-----|-----|---------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

| | | |
|------------------------------|------------|--------|
| hypothetical protein APE0580 | pir:D72643 | D72643 |
|------------------------------|------------|--------|

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|------|----------|
| 16832885_f3_63 | 2210 | 7432 | 431 | 1296 | 1723 | 2.3e-177 |
|----------------|------|------|-----|------|------|----------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

| | | |
|----------------------|------------|--------|
| hypothetical protein | pir:JQ1020 | JQ1020 |
|----------------------|------------|--------|

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|-----|---------|
| 21519061_f2_39 | 2211 | 7433 | 262 | 789 | 175 | 3.8e-11 |
|----------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:Y612_METJA

Q58029

Description

HYPOTHETICAL PROTEIN MJ0612

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|-----|---------|
| 22689083_f1_16 | 2212 | 7434 | 396 | 1191 | 766 | 5.9e-76 |
|----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

aminotransferase (AspC family)

pir:B70325

B70325

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|----|-----|----|-------|
| 22860128_f1_14 | 2213 | 7435 | 83 | 252 | 64 | 0.031 |
|----------------|------|------|----|-----|----|-------|

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|-----|-----|---------|
| 23626550_c2_121 | 2214 | 7436 | 306 | 921 | 391 | 3.2e-36 |
|-----------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:NPL_ECOLI

P06995

Description

ACID ALDOLASE) (N-ACETYLNEURAMINATE PYRUVATE LYASE) (NALASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24229677_c3_127 | 2215 | 7437 | 165 | 498 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24329587_c1_104 | 2216 | 7438 | 1102 | 3309 | 421 | 9.0e-71 |

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24800675_f1_20 | 2217 | 7439 | 683 | 2052 | 738 | 6.2e-77 |

Protein name

Locus Name

Acc#

sp:PRIM_CLOAB

P33655

Description

DNA PRIMASE,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26287762_c3_133 | 2218 | 7440 | 534 | 1605 | 232 | 1.3e-38 |

Protein name

Locus Name

Acc#

sp:STS_RAT

P15589

Description

SULFATE SULFOHYDROLASE) (ARYLSULFATASE C) (ASC)

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 26595402_f2_38 | 2219 | 7441 | 355 | 1068 | 380 | 4.7e-35 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| phospho-2-dehydro-3-deoxyheptonate aldolase/chorismate mutase | | | pir:A75449 | | | A75449 |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 31726635_f3_64 | 2220 | 7442 | 300 | 903 | 363 | 3.0e-33 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| | | | sp:PHEA_ERWHE | | | Q02286 |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 35234800_c1_88 | 2221 | 7443 | 521 | 1566 | 254 | 1.3e-38 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| | | | sp:STS_MOUSE | | | P50427 |
| <u>Description</u> | | | | | | |
| SULFATE SULFOHYDROLASE) (ARYLSULFATASE C) (ASC) | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 3910875_f3_84 | 2222 | 7444 | 63 | 192 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| | | | | | | |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 3930163_c3_129 | 2223 | 7445 | 313 | 942 | 167 | 4.3e-10 |

Protein name

Locus Name

Acc#

transmembrane sensor

gp:AF051691

AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor (fiuI), transmembrane sensor (fiuR), and hydroxamate-type ferrisiderophore receptor (fiuA) genes, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 3937927_f3_83 | 2224 | 7446 | 99 | 300 | 106 | 1.3e-05 |

Protein name

Locus Name

Acc#

unknown

gp:SPU59236

U59236

Description

Synechococcus PCC7942 ribosomal protein S1 of 30S ribosome (rps1), ORF271, ORF231, ORF341, carboxyltransferase alpha subunit (accA), ORF245, ORF227, and GTP cyclohydrolase I (folE) genes, complete cds, and ORF205 gene, partial cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 3985936_c3_128 | 2225 | 7447 | 195 | 588 | 163 | 4.7e-12 |

Protein name

Locus Name

Acc#

RNA polymerase sigma factor SigZ-like protein

gp:AF137263

AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4117167_c3_130 | 2226 | 7448 | 1128 | 3387 | 737 | 4.6e-71 |

Protein name Locus Name Acc#
 receptor antigen (RagA) gp:PGI130872 AJ130872

Description
 Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4875001_c2_126 | 2227 | 7449 | 493 | 1482 | 172 | 9.1e-14 |

Protein name Locus Name Acc#
 unknown gp:U96771 U96771

Description
 Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 5941260_c2_106..... | 2228 | 7450 | 199 | 600 | 557 | 8.3e-54 |

Protein name Locus Name Acc#
 sp:GCH1_SYNY3 Q55759

Description
 GTP CYCLOHYDROLASE I, (GTP-CH-I)

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 678385_c1_103..... | 2229 | 7451 | 286 | 861 | 168 | 1.2e-11 |

Protein name Locus Name Acc#
 sp:YCBG_BACSU P42239

Description
 (ORF6)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|------|-----|---------|
| 9953161_c1_87 | 2230 | 7452 | 542 | 1629 | 171 | 4.3e-13 |
|---------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

unknown

gp:U96771

U96771

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknowngenes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|----|---------|
| 11953382_f2_22 | 2231 | 7453 | 133 | 402 | 98 | 0.00012 |
|----------------|------|------|-----|-----|----|---------|

Protein name

Locus Name

Acc#

hypothetical protein F19H6.4

pir:T21123

T21123

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|--|--|
| 14507137_f1_12 | 2232 | 7454 | 201 | 606 | | |
|----------------|------|------|-----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|-----|---------|
| 16116655_c2_76 | 2233 | 7455 | 183 | 552 | 323 | 5.2e-29 |
|----------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:DYR_NEIGO

P04174

Description

DIHYDROFOLATE REDUCTASE,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------------|------|-----------|-----------|--------|-------------|
| 16832885_f1_18 | 2234 | 7456 | 405 | 1218 | 1614 | 8.2e-166 |
| Protein name | Locus Name | | | | Acc# | |
| hypothetical protein | pir:JQ1020 | | | | JQ1020 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------------|------|-----------|-----------|--------|-------------|
| 16882762_c1_55 | 2235 | 7457 | 291 | 876 | 112 | 0.0015 |
| Protein name | Locus Name | | | | Acc# | |
| hypothetical protein | pir:T29116 | | | | T29116 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------|------------|------|-----------|-----------|--------|-------------|
| 16884630_f1_1 | 2236 | 7458 | 88 | 267 | 123 | 5.6e-07 |
| Protein name | Locus Name | | | | Acc# | |
| probable oxidoreductase | pir:F70970 | | | | F70970 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------------|------|-----------|-----------|--------|-------------|
| 16886405_c3_107 | 2237 | 7459 | 132 | 399 | 120 | 2.6e-07 |
| Protein name | Locus Name | | | | Acc# | |
| hypothetical protein PH1073 | pir:F71101 | | | | F71101 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|-------------|------|-----------|-----------|--------|-------------|
| 20901531_c3_99 | 2238 | 7460 | 271 | 816 | 1030 | 6.3e-104 |
| Protein name | Locus Name | | | | Acc# | |
| thymidylate synthase | gp:NGU86637 | | | | U86637 | |
| Description | | | | | | |

Neisseria gonorrhoeae thymidylate synthase (thyA) gene, completecds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 22165933_c1_51 | 2239 | 7461 | 190 | 573 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 22860128_f2_34..... | 2240 | 7462 | 83 | 252 | 64 | 0.031 |

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 2370340_f3_37..... | 2241 | 7463 | 526 | 1581 | 604 | 8.7e-59 |

Protein name

Locus Name

Acc#

probable oxidoreductase

pir:F70970

F70970

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 24222175_f1_10..... | 2242 | 7464 | 281 | 846 | 208 | 8.0e-17 |

Protein name

Locus Name

Acc#

sp:YA22_METH

O27101

Description

PUTATIVE BIOPOLYMER TRANSPORT PROTEIN EXBB HOMOLOG

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24509675_f3_44 | 2243 | 7465 | 155 | 468 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 26382062_f1_6 | 2244 | 7466 | 239 | 720 | 139 | 2.2e-07 |

Protein name

Locus Name

Acc#

siderophore-mediated iron transport protein

pir:F71829

F71829

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 32244077_f3_38 | 2245 | 7467 | 290 | 873 | 377 | 9.9e-35 |

Protein name

Locus Name

Acc#

UBE-1a

gp:AB030503

AB030503

Description

Mus musculus mRNA for UBE-1a, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 3242201_f2_30 | 2246 | 7468 | 69 | 210 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34417255_f1_11 | 2247 | 7469 | 158 | 477 | 107 | 0.00056 |

Protein name

Locus Name

Acc#

hypothetical protein PH1889

pir:D71202

D71202

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 34504015_f1_8 | 2248 | 7470 | 244 | 735 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34573385_f3_43 | 2249 | 7471 | 347 | 1044 | 517 | 1.4e-49 |

Protein name

Locus Name

Acc#

bifunctional short chain isoprenyl
diphosphate synthase (idsA) homolog

pir:F69535

F69535

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 35756562_f3_36 | 2250 | 7472 | 457 | 1374 | 972 | 8.8e-98 |

Protein name

Locus Name

Acc#

citrate synthase

gp:AF088222

AF088222

Description

Lactococcus lactis subsp. lactis citrate synthase, aconitate hydratase, and truncated isocitrate dehydrogenase genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 36367125_f1_16 | 2251 | 7473 | 160 | 483 | 311 | 9.7e-28 |

Protein name

Locus Name

Acc#

sp:ASNC_HAEIN

P44337

Description

REGULATORY PROTEIN ASNC

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4428518_c1_67 | 2252 | 7474 | 317 | 954 | 428 | 3.9e-40 |

| Protein name | Locus Name | Acc# |
|--------------|------------|--------|
| LytB protein | pir:G70449 | G70449 |
| Description | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4881510_c3_109 | 2253 | 7475 | 278 | 837 | 464 | 6.0e-44 |

| Protein name | Locus Name | Acc# |
|--------------|--------------|--------|
| | sp:KCY_BACSU | P38493 |
| Description | | |

(CMP KINASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 5114062_c3_111 | 2254 | 7476 | 331 | 996 | 834 | 3.7e-83 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:K6P1_THETH | P21777 |
| Description | | |

(PFK1)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 5884637_f1_9 | 2255 | 7477 | 259 | 780 | 411 | 2.5e-38 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:YABD_BACSU | P37545 |
| Description | | |

HYPOTHETICAL 29.2 KD PROTEIN IN METS-KSGA INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 829417_f1_13 | 2256 | 7478 | 61 | 186 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 9894067_c2_78 | 2257 | 7479 | 213 | 642 | 130 | 4.5e-06 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:T29116

T29116

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10555302_f3_105 | 2258 | 7480 | 350 | 1053 | 255 | 8.4e-22 |

Protein name

Locus Name

Acc#

conserved hypothetical protein AF2231

pir:G69528

G69528

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10757817_c1_149 | 2259 | 7481 | 152 | 459 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10805308_c2_174 | 2260 | 7482 | 62 | 189 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 12147561_c1_120 | 2261 | 7483 | 705 | 2118 | 169 | 8.1e-10 |

Protein name

Locus Name

Acc#

immunoreactive 53 kD antigen PG123

gp:AF144641

AF144641

Description

Porphyromonas gingivalis strain W50 immunoreactive 53 kD antigenPG123 gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 12697180_c3_207 | 2262 | 7484 | 378 | 1137 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 16140752_f1_27 | 2263 | 7485 | 69 | 210 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 16621087_f1_10 | 2264 | 7486 | 134 | 405 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|------------|-----------|--------|-------------|
| 1954412_f1_29 | 2265 | 7487 | 173 | 522 | 181 | 5.8e-14 |
| Protein name | | | Locus Name | | Acc# | |
| RNA polymerase ECF-type sigma factor sigW | | | pir:H69706 | | H69706 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|--------|-------------|
| 22145627_c2_180 | 2266 | 7488 | 565 | 1698 | 263 | 1.1e-19 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein aq_1220 | | | pir:C70405 | | C70405 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 23486536_f2_65 | 2267 | 7489 | 85 | 258 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | NO-HIT | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------|------|------|------------|-----------|--------|-------------|
| 23704675_f3_114 | 2268 | 7490 | 551 | 1656 | 2162 | 6.9e-224 |
| Protein name | | | Locus Name | | Acc# | |
| chaperonin groEL | | | pir:S47530 | | S47530 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------------------|------|------|------------|-----------|--------|-------------|
| 24347332_f1_8 | 2269 | 7491 | 338 | 1017 | 896 | 9.9e-90 |
| Protein name | | | Locus Name | | Acc# | |
| cysteine synthase | | | gp:MLCB22 | | Z98741 | |
| Description | | | | | | |
| Mycobacterium leprae cosmid B22. | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24414553_c1_143 | 2270 | 7492 | 63 | 192 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24415892_c1_121..... | 2271 | 7493 | 181 | 546 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 2463451_f3_79..... | 2272 | 7494 | 270 | 813 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24805302_f1_16..... | 2273 | 7495 | 232 | 699 | 432 | 1.5e-40 |

Protein name

Locus Name

Acc#

hypothetical protein yugP

pir:F70011

F70011

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------------|-------------|
| 24806517_f2_49 | 2274 | 7496 | 684 | 2055 | 231 | 1.6e-26 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| dipeptidyl peptidase III | | | gp:D89340 | | D89340 | |
| <u>Description</u> | | | | | | |
| Rattus norvegicus mRNA for dipeptidyl peptidase III, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-------------------|-----------|-------------|-------------|
| 25429837_c2_154 | 2275 | 7497 | 294 | 885 | 1200 | 6.1e-122 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein | | | pir:JQ1020 | | JQ1020 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|-------------------|-----------|-------------|-------------|
| 25585781_c3_234..... | 2276 | 7498 | 225 | 678 | 167 | 5.5e-12 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | sp:Y374_METJA | | Q57819 | |
| <u>Description</u> | | | | | | |
| HYPOTHETICAL PROTEIN MJ0374 | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-------------------|-----------|-------------|-------------|
| 25641942_c3_219..... | 2277 | 7499 | 231 | 696 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | | | | |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 25911662_f2_52 | 2278 | 7500 | 166 | 501 | 216 | 1.1e-17 |

Protein name

Locus Name

Acc#

sp:FUR_CAMJE

Description

FERRIC UPTAKE REGULATION PROTEIN (FERRIC UPTAKE REGULATOR)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 25978462_c1_142 | 2279 | 7501 | 608 | 1827 | 1308 | 2.2e-133 |

Protein name

Locus Name

Acc#

sp:RECQ_HAEIN

P71359

Description

ATP-DEPENDENT DNA HELICASE RECQ,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26598467_f3_106 | 2280 | 7502 | 194 | 585 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 2923517_f1_17 | 2281 | 7503 | 395 | 1188 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 29455156_c1_129 | 2282 | 7504 | 624 | 1875 | 434 | 2.1e-40 |

Protein name

Locus Name

Acc#

acylamino-acid-releasing enzyme,
(acyl-peptide hydrolase) (aph)
(acylaminoacyl-peptidase) PAB1300

pir:H75007

H75007

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 29926562_c3_208 | 2283 | 7505 | 276 | 831 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 31447702_c1_128..... | 2284 | 7506 | 273 | 822 | 535 | 2.9e-51 |

Protein name

Locus Name

Acc#

immunoreactive 89kD antigen PG87

gp:AF175722

AF175722

Description

Porphyromonas gingivalis strain W50 immunoreactive 89kD antigenPG87 gene,
complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 3323437_f2_77..... | 2285 | 7507 | 345 | 1038 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 33238187_c2_159 | 2286 | 7508 | 389 | 1170 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 33287775_c2_158 | 2287 | 7509 | 506 | 1521 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 33402001_c2_160 | 2288 | 7510 | 375 | 1128 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 35781576_f1_30 | 2289 | 7511 | 297 | 894 | 582 | 1.9e-56 |

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:D75557

D75557

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 3906380_f2_54 | 2290 | 7512 | 69 | 210 | 70 | 0.033 |

Protein name

Locus Name

Acc#

hypothetical protein Y68A4B.3

pir:T27307

T27307

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|----|-----|-----|---------|
| 4022312_f3_113 | 2291 | 7513 | 93 | 282 | 393 | 2.0e-36 |
|----------------|------|------|----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:CH10_PORG1

P42376

Description

10 KD CHAPERONIN (PROTEIN CPN10) (PROTEIN GROES)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|--|--|
| 4695302_c2_175 | 2292 | 7514 | 422 | 1269 | | |
|----------------|------|------|-----|------|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|-----|-----|---------|
| 4718760_f3_88 | 2293 | 7515 | 300 | 903 | 193 | 4.1e-13 |
|---------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

conserved hypothetical protein MTH83

pir:F69210

F69210

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|------|-----|---------|
| 4798465_f1_26 | 2294 | 7516 | 386 | 1161 | 291 | 1.3e-25 |
|---------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:C72340

C72340

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4883437_F1_15 | 2295 | 7517 | 426 | 1281 | 967 | 3.0e-97 |

Protein name

Locus Name

Acc#

sp:PURA_YEAST

P80210

Description

ADENYLOSUCCINATE SYNTHETASE, (IMP--ASPARTATE LIGASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 526637_F3_96 | 2296 | 7518 | 457 | 1374 | 429 | 3.0e-40 |

Protein name

Locus Name

Acc#

probable glycosyl hydrolase

pir:T36467

T36467

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 5351687_F2_67 | 2297 | 7519 | 68 | 207 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 643818_c3_233 | 2298 | 7520 | 504 | 1515 | 424 | 5.9e-42 |

Protein name

Locus Name

Acc#

sp:YC46_HAEIN

P44135

Description

HYPOTHETICAL PROTEIN HI1246

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 6462751_f2_50 | 2299 | 7521 | 221 | 666 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 7222125_c3_218..... | 2300 | 7522 | 474 | 1425 | 545 | 1.6e-52 |

Protein name

Locus Name

Acc#

putative secreted protein

gp:SCM11

AL133278

Description

Streptomyces coelicolor cosmid M11.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 822137_c2_195..... | 2301 | 7523 | 713 | 2142 | 121 | 5.4e-10 |

Protein name

Locus Name

Acc#

heme receptor

gp:VIBHUTA

L27149

Description

Vibrio cholerae heme receptor (huta) gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 9797180_f1_18..... | 2302 | 7524 | 471 | 1416 | 535 | 1.5e-65 |

Protein name

Locus Name

Acc#

sp:SYH_HUMAN

P12081

Description

(HISRS)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 9883507_c3_238 | 2303 | 7525 | 359 | 1080 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 9953556_f3_91 | 2304 | 7526 | 158 | 477 | 135 | 3.2e-08 |

Protein name

Locus Name

Acc#

response regulator

gp:SPAJ6396

AJ006396

Description

Streptococcus pneumoniae rr07 and hk07 genes; two component system07.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 11906705_c1_6 | 2305 | 7527 | 303 | 912 | 1115 | 6.2e-113 |

Protein name

Locus Name

Acc#

beta-glucosidase

gp:AF006658

AF006658

Description

Bacteroides fragilis beta-glucosidase gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 19578130_f2_3 | 2306 | 7528 | 66 | 201 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 1276700_f1_1 | 2307 | 7529 | 102 | 309 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 162937_f2_83 | 2308 | 7530 | 707 | 2124 | 1709 | 7.0e-176 |

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 16500342_c3_176 | 2309 | 7531 | 1335 | 4008 | 280 | 1.4e-39 |

Protein name

Locus Name

Acc#

hybrid histidine kinase

gp:AF029704

AF029704

Description

Dictyostelium discoideum hybrid histidine kinase (dhkD) mRNA,complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 19564077_c3_177 | 2310 | 7532 | 180 | 543 | 247 | 2.1e-20 |

Protein name

Locus Name

Acc#

probable chromate transport protein

pir:G71379

G71379

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 20830137_c2_135 | 2311 | 7533 | 459 | 1380 | 267 | 7.9e-25 |

Protein name

Locus Name

Acc#

sucrose transporter 1

gp:AF191024

AF191024

Description

Asarina barclaiiana sucrose transporter 1 (SUT1) mRNA, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 22534633_c3_175 | 2312 | 7534 | 1294 | 3885 | 1006 | 2.8e-207 |

Protein name

Locus Name

Acc#

sp:PUR4_DROME

P35421

Description

(ADENOSINE-2) (FGAMS) (FORMYLGLYCINAMIDE RIBOTIDE SYNTHETASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 22712880_c1_123..... | 2313 | 7535 | 1021 | 3066 | 661 | 3.6e-62 |

Protein name

Locus Name

Acc#

cation efflux system (AcrB/AcrD/AcrF family)

pir:F70342

F70342

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24234676_c3_174..... | 2314 | 7536 | 437 | 1314 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24486562_f2_36 | 2315 | 7537 | 165 | 498 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24509680_c3_165..... | 2316 | 7538 | 354 | 1065 | 254 | 1.1e-21 |

Protein name

Locus Name

Acc#

cation efflux system (czcB-like)

pir:C70415

C70415

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24644812_c3_164..... | 2317 | 7539 | 773 | 2322 | 1663 | 5.2e-171 |

Protein name

Locus Name

Acc#

sp:YVDK_BACSU

006993

Description

HYPOTHETICAL 88.3 KD PROTEIN IN CLPP-CRH INTERGENIC REGION

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 2928461_f1_27..... | 2318 | 7540 | 97 | 294 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 29892568_f3_91 | 2319 | 7541 | 80 | 243 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 30116437_c3_163 | 2320 | 7542 | 341 | 1026 | 451 | 1.4e-42 |

Protein name

Locus Name

Acc#

transcription regulator, LacI family

pir:F72282

F72282

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 3944562_f3_90 | 2321 | 7543 | 279 | 840 | 645 | 3.9e-63 |

Protein name

Locus Name

Acc#

YngK

gp:AF184956

AF184956

Description

Bacillus subtilis mycosubtilin operon, complete sequence.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 422776_c3_181 | 2322 | 7544 | 937 | 2814 | 1529 | 4.7e-234 |

Protein name

Locus Name

Acc#

excinuclease ABC chain A:uvrA protein

pir:H69157

H69157

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|---------------|------|------|-----|-----|-----|---------|
| 4583338_f3_84 | 2323 | 7545 | 256 | 771 | 293 | 7.9e-26 |
|---------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

H. influenzae predicted coding region HI1127

gp:U32792

Description

Haemophilus influenzae Rd section 107 of 163 of the complete genome.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|----------------|------|------|-----|-----|-----|---------|
| 5109662_c1_128 | 2324 | 7546 | 184 | 555 | 254 | 1.1e-21 |
|----------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

probable chromate transport protein

pir:C70068

C70068

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|----------------|------|------|-----|------|-----|---------|
| 5110712_c1_124 | 2325 | 7547 | 426 | 1281 | 182 | 5.2e-11 |
|----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

immunoreactive 52kD antigen PG41

gp:AF175716

AF175716

Description

Porphyromonas gingivalis strain W50 immunoreactive 52kD antigen PG41 gene, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|---------------|------|------|----|-----|--|--|
| 7032127_f2_70 | 2326 | 7548 | 89 | 270 | | |
|---------------|------|------|----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------|------|------|-----------|-----------|-------|-------------|
| 838142_f1_4 | 2327 | 7549 | 254 | 765 | 374 | 2.1e-34 |

Protein name

Locus Name

Acc#

YngK

gp:AF184956

AF184956

Description

Bacillus subtilis mycosubtilin operon, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 17048331_c3_60 | 2328 | 7550 | 406 | 1221 | 367 | 1.2e-32 |

Protein name

Locus Name

Acc#

sp:AMPN_STRLI

Q11010

Description

(ALANINE AMINOPEPTIDASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24644575_c1_50 | 2329 | 7551 | 522 | 1569 | 155 | 2.0e-07 |

Protein name

Locus Name

Acc#

sp:AAP1_YEAST

P37898

Description

ALANINE/ARGININE AMINOPEPTIDASE,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24649017_c3_58 | 2330 | 7552 | 415 | 1248 | 651 | 2.1e-66 |

Protein name

Locus Name

Acc#

hypothetical protein SC4H2.17 SC4H2.17

pir:T35116

T35116

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|-----|---------|
| 26365961_c1_47 | 2331 | 7553 | 470 | 1413 | 139 | 2.1e-07 |
|----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

receptor antigen B (RagB)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|-----|---------|
| 29350375_c3_59 | 2332 | 7554 | 468 | 1407 | 345 | 1.9e-30 |
|----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

hypothetical protein TP0851

pir:C71274

C71274

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|--|--|
| 31496067_c1_49 | 2333 | 7555 | 227 | 684 | | |
|----------------|------|------|-----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|-----|---------|
| 33439010_c3_57 | 2334 | 7556 | 982 | 2949 | 448 | 4.6e-86 |
|----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4738761_c2_55 | 2335 | 7557 | 433 | 1299 | 1622 | 1.2e-166 |

Protein name

Locus Name

Acc#

fumarate hydratase, fumB,
iron-dependent:fumarase B

pir:B44511

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 48828124_c1_4 | 2336 | 7558 | 178 | 537 | 410 | 3.1e-38 |

Protein name

Locus Name

Acc#

hypothetical protein F36H12.3

pir:T33457

T33457

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 48828124_c2_5 | 2337 | 7559 | 179 | 540 | 407 | 6.5e-38 |

Protein name

Locus Name

Acc#

hypothetical protein F36H12.3

pir:T33457

T33457

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 48828124_c3_6 | 2338 | 7560 | 188 | 567 | 412 | 1.9e-38 |

Protein name

Locus Name

Acc#

hypothetical protein F36H12.3

pir:T33457

T33457

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 4485917_c2_3 | 2339 | 7561 | 104 | 312 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 10742905_f2_80 | 2340 | 7562 | 97 | 294 | 105 | 4.2e-05 |

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:A72220

A72220

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 11210313_c3_276..... | 2341 | 7563 | 281 | 846 | 645 | 3.9e-63 |

Protein name

Locus Name

Acc#

CysQ protein

pir:A70330

A70330

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 11796876_c3_240..... | 2342 | 7564 | 159 | 480 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 1296950_c2_225..... | 2343 | 7565 | 522 | 1569 | 381 | 6.0e-67 |

Protein name

Locus Name

Acc#

sp:Y640_SYNY3

P72958

Description

HYPOTHETICAL 66.7 KD PROTEIN SLL0640

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 1348563_c1_151..... | 2344 | 7566 | 166 | 501 | 715 | 1.5e-70 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|-----|--------|
| 13837817_f2_54 | 2345 | 7567 | 272 | 819 | 101 | 0.0055 |
|----------------|------|------|-----|-----|-----|--------|

Protein name

Locus Name

Acc#

otnG protein

pir:S70954

S70954

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|-----|---------|
| 13859376_f2_77 | 2346 | 7568 | 391 | 1176 | 687 | 1.4e-67 |
|----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

galactokinase

pir:C72283

C72283

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|------|-----|---------|
| 14648312_c1_199 | 2347 | 7569 | 376 | 1131 | 363 | 3.0e-33 |
|-----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

immunoreactive 42kD antigen PG33

gp:AF175715

AF175715

Description

Porphyromonas gingivalis strain W50 immunoreactive 42kD antigenPG33 gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|-----|---------|
| 16801507_f1_32 | 2348 | 7570 | 280 | 843 | 226 | 9.9e-19 |
|----------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

glutamine ABC transporter, periplasmic
glutamine-binding protein (glnH) homolog

pir:G69278

G69278

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|----|-----|-----|---------|
| 16832885_f2_51 | 2349 | 7571 | 90 | 273 | 312 | 7.6e-28 |
|----------------|------|------|----|-----|-----|---------|

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|--------------|------|------|----|-----|--|--|
| 17187_c3_273 | 2350 | 7572 | 64 | 195 | | |
|--------------|------|------|----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|------|--|--|
| 187502_c2_235 | 2351 | 7573 | 364 | 1095 | | |
|---------------|------|------|-----|------|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|--------------|------|------|-----|------|--|--|
| 187502_f1_10 | 2352 | 7574 | 522 | 1569 | | |
|--------------|------|------|-----|------|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|----|-----|--|--|
| 20110930_f2_82 | 2353 | 7575 | 63 | 192 | | |
|----------------|------|------|----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|----|-------|
| 22470301_f2_73 | 2354 | 7576 | 131 | 396 | 71 | 0.026 |
|----------------|------|------|-----|-----|----|-------|

Protein name

Locus Name

Acc#

unknown protein

gp:BACATPA

Description

B.megaterium ATP synthase 1,a,c,b,delta,alpha,gamma,beta andepsilon subunit genes, complete cds, and ORF.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|-----|--|--|
| 22660002_f3_129 | 2355 | 7577 | 103 | 312 | | |
|-----------------|------|------|-----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|----|-----|----|-------|
| 22860128_f3_106 | 2356 | 7578 | 83 | 252 | 64 | 0.031 |
|-----------------|------|------|----|-----|----|-------|

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|--|--|
| 23554687_f1_35 | 2357 | 7579 | 305 | 918 | | |
|----------------|------|------|-----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23631562_f3_133 | 2358 | 7580 | 460 | 1383 | 330 | 9.4e-30 |

Protein name

Locus Name

Acc#

sp:GLUP_BRUAB

Q44623

Description

GLUCOSE/GALACTOSE TRANSPORTER

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 23907956_f1_22 | 2359 | 7581 | 83 | 252 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24069755_c2_222 | 2360 | 7582 | 279 | 840 | 503 | 4.4e-48 |

Protein name

Locus Name

Acc#

hypothetical protein slr1117

pir:S74480

S74480

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24237507_f1_28 | 2361 | 7583 | 396 | 1191 | 747 | 6.1e-74 |

Protein name

Locus Name

Acc#

sp:GALM_ACICA

P05149

Description

ALDOSE 1-EPIMERASE PRECURSOR, (MUTAROTASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24242327_f3_143 | 2362 | 7584 | 173 | 522 | 140 | 1.3e-09 |

Protein name

Locus Name

Acc#

sp:RFAY_XANCP

P46358

Description

PROBABLE RNA POLYMERASE SIGMA FACTOR RFAY

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24253316_c3_239 | 2363 | 7585 | 209 | 630 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24260885_c1_153 | 2364 | 7586 | 480 | 1443 | 213 | 1.4e-16 |

Protein name

Locus Name

Acc#

vitellogenin

gp:CHKVITB

K02113

Description

Gallus gallus vitellogenin gene coding for phosvitin, exons 23 and 24.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24298137_f2_65 | 2365 | 7587 | 66 | 201 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------------|-------------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 24406536...f2...79..... | 2367 | 7589 | 149 | 450 | 367 | 1.1e-33 |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| sugar-phosphate isomerase | pir:H72296 | | | | H72296 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------------------|-------------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 244158.77...C3...272..... | 2368 | 7590 | 166 | 501 | 99 | 0.0018 |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| | sp:Y896_HAEIN | | | | | |
| <u>Description</u> | | | | | | |
| HYPOTHETICAL PROTEIN HI0896 | | | | | | |

[illegible]

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24645262_f3_109 | 2370 | 7592 | 375 | 1128 | 377 | 9.9e-35 |

Protein name: immunoreactive 42kD antigen PG33

Locus Name: gp:AF175715

Acc#: AF175715

Description: Porphyromonas gingivalis strain W50 immunoreactive 42kD antigenPG33 gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24648563_c3_271 | 2371 | 7593 | 258 | 777 | 575 | 1.0e-55 |

Protein name: PksB

Locus Name: gp:AF019986

Acc#: AF019986

Description: Dictyostelium discoideum PksB (pksB) mRNA, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24692212_c1_187..... | 2372 | 7594 | 293 | 882 | 940 | 2.2e-94 |

Protein name: sulfate adenylyltransferase, small chain:ATP-sulfurylase:sulfurylase

Locus Name: pir:D65056

Acc#:

Description:

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 24890887_f2_89..... | 2373 | 7595 | 75 | 228 | | |

Protein name:

Locus Name:

Acc#:

Description:

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 25600262_c3_278 | 2374 | 7596 | 79 | 240 | 174 | 6.6e-13 |

| Protein name | Locus Name | Acc# |
|-------------------------------|-------------|----------|
| ATP sulfurylase small subunit | gp:AF035608 | AF035608 |

Description

Pseudomonas aeruginosa ATP sulfurylase small subunit (cysD) and ATPsulfurylase GTP-binding subunit/APS kinase (cysN) genes, completecds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 25792127_f3_124 | 2375 | 7597 | 84 | 255 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 26289761_c3_279..... | 2376 | 7598 | 491 | 1476 | 1334 | 3.8e-136 |

| Protein name | Locus Name | Acc# |
|--|-------------|----------|
| ATP sulfurylase GTP-binding subunit/APS kinase | gp:AF035608 | AF035608 |

Description

Pseudomonas aeruginosa ATP sulfurylase small subunit (cysD) and ATPsulfurylase GTP-binding subunit/APS kinase (cysN) genes, completecds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 26359760_c1_152..... | 2377 | 7599 | 82 | 249 | 61 | 0.048 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:COX3_PYLLI | Q37600 |

Description

CYTOCHROME C OXIDASE POLYPEPTIDE III,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|------------|-------|-------------|
| 29298205_c2_237 | 2378 | 7600 | 145 | 438 | 202 | 3.5e-16 |
| Protein name | | | | Locus Name | | Acc# |
| hypothetical protein | | | | pir:S76868 | | S76868 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|------------|-------|-------------|
| 29722915_f3_107 | 2379 | 7601 | 356 | 1071 | 1412 | 2.1e-144 |
| Protein name | | | | Locus Name | | Acc# |
| hypothetical protein | | | | pir:JQ1020 | | JQ1020 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------------|------|------|-----------|------------|-------|-------------|
| 31878250_f3_147 | 2380 | 7602 | 185 | 558 | 396 | 9.6e-37 |
| Protein name | | | | Locus Name | | Acc# |
| conserved hypothetical protein ykna | | | | pir:F69857 | | F69857 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|------------|-------|-------------|
| 32304817_f2_90 | 2381 | 7603 | 216 | 651 | | |
| Protein name | | | | Locus Name | | Acc# |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|---------------|-------|-------------|
| 32422553_f1_31 | 2382 | 7604 | 659 | 1980 | 96 | 0.044 |
| Protein name | | | | Locus Name | | Acc# |
| | | | | sp:YC8B_METJA | | P81319 |
| Description | | | | | | |

HYPOTHETICAL PROTEIN MJ1282.2

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 33476517_f1_30 | 2383 | 7605 | 369 | 1110 | 994 | 4.1e-100 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein TM1759 | | | pir:H72214 | | H72214 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 34191425_f2_50 | 2384 | 7606 | 332 | 999 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | | | | |
| <u>Description</u> | | | | | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 34242212_f3_145 | 2385 | 7607 | 153 | 462 | 92 | 0.039 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| PIEMP1 fragment PFB1045w | | | pir:F71600 | | F71600 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 34407937_f3_142 | 2386 | 7608 | 330 | 993 | 260 | 2.5e-22 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | sp:YISS_BACSU | | | |
| <u>Description</u> | | | | | | |

HYPOTHETICAL 37.5 KD PROTEIN IN DEGA-NPRB INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------|-----------|----------|-------------|
| 34609450_c3_242 | 2387 | 7609 | 376 | 1131 | 117 | 0.0016 |
| Protein name | | | Locus Name | | Acc# | |
| complement C7 | | | gp:AF162274 | | AF162274 | |
| Description | | | | | | |
| Sus scrofa complement C7 mRNA, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 36226562_c1_190 | 2388 | 7610 | 325 | 978 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|---------------|-----------|--------|-------------|
| 36604663_f1_27 | 2389 | 7611 | 411 | 1236 | 992 | 6.7e-100 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:RHLE_ECOLI | | P25888 | |
| Description | | | | | | |
| PUTATIVE ATP-DEPENDENT RNA HELICASE RHLE | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 3917130_c3_268 | 2390 | 7612 | 332 | 999 | 488 | 1.7e-46 |
| Protein name | | | Locus Name | | Acc# | |
| mannose-6-phosphate isomerase homolog yjdB | | | pir:H69848 | | H69848 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 3939003_f2_84 | 2391 | 7613 | 185 | 558 | 294 | 1.4e-25 |

Protein name

2-oxoacid--ferredoxin oxidoreductase, beta chain:2-oxoisovalerate oxidoreductase alpha chain (misidentification)

Description

Locus Name

pir:B69194

Acc#

B69194

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 40888_c1_200 | 2392 | 7614 | 185 | 558 | 301 | 1.1e-26 |

Protein name

DEFORMYLASE)

Description

Locus Name

sp:DEF_THEMA

Acc#

P96113

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4115930_f3_134 | 2393 | 7615 | 312 | 939 | 1046 | 1.3e-105 |

Protein name

putative transketolase

Description

Bacteroides ovatus arabinosidase (asdII) gene, complete cds and putative transketolase, partial cds.

Locus Name

gp:BOU15179

Acc#

U15179

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4145331_f1_29 | 2394 | 7616 | 376 | 1131 | 645 | 3.9e-63 |

Protein name

TRANSKETOLASE,

Description

Locus Name

sp:TKT_BACSU

Acc#

P45694

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4485917_f2_56 | 2395 | 7617 | 135 | 408 | 98 | 0.00035 |

Protein name

Locus Name

Acc#

XylS/AraC family transcriptional regulatory

gp:AF039207

AF039207

Description

Listeria monocytogenes putative transcriptional attenuator leaderpeptide (attM), LapA (lapA), XylS/AraC family transcriptional regulatory protein homolog (lapB), and NADH-dependent dehydrogenase homolog (lapC) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4719011_c3_277 | 2396 | 7618 | 205 | 618 | 476 | 3.2e-45 |

Protein name

Locus Name

Acc#

sp:NODQ_AZOBR

P28604

Description

SULFURYLASE) (NODULATION PROTEIN Q)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4722176_f3_121 | 2397 | 7619 | 898 | 2697 | 367 | 4.0e-85 |

Protein name

Locus Name

Acc#

sp:BGAL_THEET

P77989

Description

BETA-GALACTOSIDASE, (LACTASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4867167_c1_198 | 2398 | 7620 | 418 | 1257 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|--------|-------------|
| 5259437_c3_287 | 2399 | 7621 | 253 | 762 | 106 | 0.00070 |
| Protein name | | | Locus Name | | Acc# | |
| otnG protein | | | pir:S70954 | | S70954 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------|------|------|-------------|-----------|----------|-------------|
| 5273312_F3_128 | 2400 | 7622 | 73 | 222 | 81 | 0.0035 |
| Protein name | | | Locus Name | | Acc# | |
| gas vesicle protein GvpP | | | gp:AF053765 | | AF053765 | |
| Description | | | | | | |

Bacillus megaterium AraC (araC) gene, partial cds; gas vesicle proteins GvpU (gvpU), GvpT (gvpT), GvpJ (gvpJ), GvpK (gvpK), GvpS (gvpS), GvpL (gvpL), GvpG (gvpG), GvpF (gvpF), GvpN (gvpN), GvpR (gvpR), GvpB (gvpB), GvpQ (gvpQ), GvpP (gvpP), and GvpA (gvpA) genes, complete cds; and unknown gene.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|------------|-----------|--------|-------------|
| 5284453_c2_202 | 2401 | 7623 | 138 | 417 | 114 | 1.2e-06 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein (eggshell protein gene region) | | | pir:D44805 | | D44805 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|---------------|-----------|--------|-------------|
| 6143800_c1_189 | 2402 | 7624 | 390 | 1173 | 393 | 2.0e-36 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:YU43_MYCTU | | Q50695 | |
| Description | | | | | | |

HYPOTHETICAL 46.1 KD PROTEIN CY339.43

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 6381932_f2_53 | 2403 | 7625 | 269 | 810 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 6647927_f1_36 | 2404 | 7626 | 64 | 195 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 6851562_f2_83 | 2405 | 7627 | 257 | 774 | 633 | 7.3e-62 |

Protein name Locus Name Acc#

2-oxoacid--ferredoxin oxidoreductase, beta chain:2-oxoisovalerate oxidoreductase alpha chain (misidentification)

pir:B69194 B69194

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------|------|------|-----------|-----------|-------|-------------|
| 687_c2_234 | 2406 | 7628 | 410 | 1233 | 389 | 5.3e-36 |

Protein name Locus Name Acc#

integrase gp:BFU75371 U75371

Description

Bacteroides fragilis transposon Tn4555 TnpA (tnpA), integrase(int), TnpC (tnpC), excisionase (xis), mobilization protein (mobA), and beta-lactamase (cfxA) genes, complete cds; and unknown genes.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 9782302_f1_43 | 2407 | 7629 | 83 | 252 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 10369011_f3_154..... | 2408 | 7630 | 283 | 852 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 1057958_f2_73..... | 2409 | 7631 | 188 | 567 | 212 | 3.0e-17 |

Protein name

Locus Name

Acc#

sensory transduction system regulatory
protein slr1982:protein slr1982:protein
slr1982

pir:S75663

S75663

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 1176517_f1_52..... | 2410 | 7632 | 66 | 201 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 12343962_f2_59 | 2411 | 7633 | 742 | 2229 | 156 | 1.1e-06 |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| hypothetical protein | pir:C72351 | | | | C72351 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 13787952_f1_53 | 2412 | 7634 | 312 | 939 | | |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 13861037_f1_46 | 2413 | 7635 | 156 | 471 | | |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 13865891_c2_277 | 2414 | 7636 | 428 | 1287 | 712 | 3.1e-70 |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| | sp:BIOF_BACSH | | | | P22806 | |
| <u>Description</u> | | | | | | |
| LIGASE) | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 13882887_f1_44 | 2415 | 7637 | 146 | 441 | 155 | 3.3e-11 |

Protein name

Locus Name

Acc#

hypothetical protein

gp:AF158372

AF158372

Description

Flavobacterium johnsoniae hypothetical protein gene, partial cds;GldB (gldB), GldC (gldC), and hypothetical protein genes, completecds; and hypothetical protein gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 14459637_f1_49 | 2416 | 7638 | 605 | 1818 | 207 | 4.3e-14 |

Protein name

Locus Name

Acc#

hypothetical protein

gp:AF158372

AF158372

Description

Flavobacterium johnsoniae hypothetical protein gene, partial cds;GldB (gldB), GldC (gldC), and hypothetical protein genes, completecds; and hypothetical protein gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 14492062_f3_147..... | 2417 | 7639 | 143 | 432 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 14564003_f2_71..... | 2418 | 7640 | 290 | 873 | 140 | 4.2e-07 |

Protein name

Locus Name

Acc#

MigA

gp:PAU70729

U70729

Description

Pseudomonas aeruginosa MigA (migA) gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 14631406_f1_14 | 2419 | 7641 | 322 | 969 | 257 | 2.6e-25 |

| Protein name | Locus Name | Acc# |
|---------------------|-------------|----------|
| glycosyltransferase | gp:AF146532 | AF146532 |

Description

Klebsiella pneumoniae waa gene cluster.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 14642175_f1_38 | 2420 | 7642 | 1035 | 3108 | 96 | 4.2e-07 |

| Protein name | Locus Name | Acc# |
|----------------------|------------|--------|
| DNA helicase homolog | pir:G69494 | G69494 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 14646926_f3_144..... | 2421 | 7643 | 141 | 426 | 175 | 2.5e-13 |

| Protein name | Locus Name | Acc# |
|----------------------|-------------|----------|
| hypothetical protein | gp:AF158372 | AF158372 |

Description

Flavobacterium johnsoniae hypothetical protein gene, partial cds;GldB (gldB), GldC (gldC), and hypothetical protein genes, completecds; and hypothetical protein gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 14651638_f2_68..... | 2422 | 7644 | 120 | 363 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------|------|------|-----------|-----------|-------|-------------|
| 1550_f2_88 | 2423 | 7645 | 259 | 780 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 15761062_c2_283..... | 2424 | 7646 | 72 | 219 | 209 | 1.2e-16 |

Protein name

Locus Name

Acc#

integrase

gp:D50438

D50438

Description

Serratia marcescens DNA for integrase,
metallo-beta-lactamase, aminoglycoside acetyltransferase, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 16100927_c1_194..... | 2425 | 7647 | 280 | 843 | 109 | 0.00011 |

Protein name

Locus Name

Acc#

sp:YBEU_ECOLI

P77427

Description

HYPOTHETICAL 27.0 KD PROTEIN IN LEUS-GLTL INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 16603377_f1_51..... | 2426 | 7648 | 326 | 981 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 194765_c3_348 | 2427 | 7649 | 135 | 408 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 19695302_f2_58..... | 2428 | 7650 | 293 | 882 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 20026537_c1_190..... | 2429 | 7651 | 330 | 993 | 297 | 3.0e-26 |

Protein name

Locus Name

Acc#

sp:Y4QK_RH1SN

P55632

Description

PUTATIVE INTEGRASE/RECOMBINASE Y4QK

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 20705385_c2_281..... | 2430 | 7652 | 227 | 684 | 110 | 0.00019 |

Protein name

Locus Name

Acc#

LanK

gp:AF080235

AF080235

Description

Streptomyces cyanogenus landomycin biosynthetic gene cluster, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 20912537_f3_151 | 2431 | 7653 | 235 | 708 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 20953211_f3_124 | 2432 | 7654 | 251 | 756 | 136 | 9.7e-07 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:F75494

F75494

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 212762_f1_43 | 2433 | 7655 | 828 | 2487 | 827 | 4.1e-145 |

Protein name

Locus Name

Acc#

ClpB

gp:AB012390

AB012390

Description

Thermus thermophilus genes for DnaK, GrpE, DnaJ, DnaA, ClpB, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 21507765_c3_369 | 2434 | 7656 | 76 | 231 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23547157_c2_286 | 2435 | 7657 | 162 | 489 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23632793_c1_189 | 2436 | 7658 | 87 | 264 | 72 | 0.048 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|--|------------|--------|
| ubiquinone biosynthesis protein coq7 (coq7) RP190 | pir:A71730 | A71730 |
|--|------------|--------|

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24063450_f3_101 | 2437 | 7659 | 419 | 1260 | 115 | 0.0028 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|------------------------|------------|--------|
| outer membrane protein | pir:C70412 | C70412 |
|------------------------|------------|--------|

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24065927_f2_90 | 2438 | 7660 | 293 | 882 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24257700_c3_353 | 2439 | 7661 | 584 | 1755 | 1657 | 2.3e-170 |

Protein name

Locus Name

Acc#

sp:YJJK_ECOLI

P37797

Description

ABC TRANSPORTER ATP-BINDING PROTEIN YJJK

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24258437_f3_103 | 2440 | 7662 | 306 | 921 | 271 | 5.1e-32 |

Protein name

Locus Name

Acc#

rhamnosyl transferase related protein PAB0795

pir:F75099

F75099

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 24398442_f1_45..... | 2441 | 7663 | 152 | 459 | 94 | 0.00014 |

Protein name

Locus Name

Acc#

hypothetical protein

gp:AF158372

AF158372

Description

Flavobacterium johnsoniae hypothetical protein gene, partial cds;GldB (gldB), GldC (gldC), and hypothetical protein genes, completecds; and hypothetical protein gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24407563_f3_155..... | 2442 | 7664 | 389 | 1170 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------------|------|------|------------|-----------|--------|-------------|
| 24640881_f1_24 | 2443 | 7665 | 408 | 1227 | 210 | 1.2e-14 |
| Protein name | | | Locus Name | | Acc# | |
| hyaluronan synthase related PAB1314 | | | pir:G75005 | | G75005 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 24640952_c1_193 | 2444 | 7666 | 152 | 459 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-------------|-----------|----------|-------------|
| 24843877_f3_148 | 2445 | 7667 | 150 | 453 | 77 | 0.024 |
| Protein name | | | Locus Name | | Acc# | |
| | | | gp:AB030825 | | AB030825 | |
| Description | | | | | | |

Pseudomonas aeruginosa genomic DNA, partial sequence, strain:PA01.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 25584626_c1_191 | 2446 | 7668 | 132 | 399 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 25906913_f3_104 | 2447 | 7669 | 437 | 1314 | 184 | 3.3e-11 |

Protein name

Locus Name

Acc#

gp:PWQRRMP

L39794

Description

Plasmid pWQ799 RNAI and RNAI genes, complete sequence; RNAI modulator protein (Rom), mobilization proteins (mbeC, mbeA, mbeB, and mbeD), N-acetylmannosamine transferase (wbbE), wbbF, and UDP-N-acetylglucosamine 2-epimerase (wecB) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 2929813_c2_306 | 2448 | 7670 | 93 | 282 | 66 | 0.035 |

Protein name

Locus Name

Acc#

plasma membrane protein

pir:T03680

T03680

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 29479667_f1_34 | 2449 | 7671 | 100 | 303 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 29820341_f3_102 | 2450 | 7672 | 467 | 1404 | 116 | 0.0010 |

Protein name

Locus Name

Acc#

sp:RFC_SALMU

Q00474

Description

O-ANTIGEN POLYMERASE

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 32225307_c3_350 | 2451 | 7673 | 149 | 450 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 32698450_f3_153 | 2452 | 7674 | 269 | 810 | 197 | 1.2e-15 |

Protein name

Locus Name

Acc#

outer membrane protein mom72,
72K:hypothetical protein sll1667:hypothetical
protein sll1667

pir:S74665

S74665

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 33400252_c2_290 | 2453 | 7675 | 632 | 1899 | 82 | 0.028 |

Protein name

Locus Name

Acc#

MHC class II protein

gp:AF030872

AF030872

Description

Poeciliopsis occidentalis occidentalis MHC class II protein gene, partial
exon II, and partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34022837_f1_42 | 2454 | 7676 | 464 | 1395 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------------|-------------|
| 34164777_f1_25 | 2455 | 7677 | 801 | 2406 | 390 | 2.4e-36 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| sensory transduction histidine kinase slr2104:protein slr2104:protein slr2104 | | | pir:S75136 | | S75136 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-------------------|-----------|-------------|-------------|
| 34179562_f1_41 | 2456 | 7678 | 154 | 465 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| <u>Description</u> | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 34569676_c3_354 | 2457 | 7679 | 934 | 2805 | 178 | 1.5e-10 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| 115K outer membrane protein precursor:SusC protein | | | pir:JC6027 | | JC6027 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-------------------|-----------|-------------|-------------|
| 35156933_c1_192 | 2458 | 7680 | 84 | 255 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 35188568_f1_13 | 2459 | 7681 | 72 | 219 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 35351502_f1_54 | 2460 | 7682 | 495 | 1488 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 39660_f3_152 | 2461 | 7683 | 262 | 789 | 292 | 1.0e-25 |

Protein name

Locus Name

Acc#

outer membrane protein mom72,
72K:hypothetical protein sll1667:hypothetical
protein sll1667

pir:S74665

S74665

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 3984442_f2_84 | 2462 | 7684 | 60 | 183 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4100635_f1_50 | 2463 | 7685 | 771 | 2316 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4109715_f1_56 | 2464 | 7686 | 321 | 966 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4110211_f1_21 | 2465 | 7687 | 307 | 924 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4119010_c2_285 | 2466 | 7688 | 158 | 477 | 97 | 0.0046 |

Protein name

Locus Name

Acc#

ABC transporter protein

gp:CJAJ0856

AJ000856

Description

Campylobacter jejuni kpsM, kpsT genes.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4566502_f1_33 | 2467 | 7689 | 106 | 321 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4798388_f3_141 | 2468 | 7690 | 64 | 195 | 114 | 7.3e-07 |

Protein name

Locus Name

Acc#

hypothetical protein MTH1606

pir:E69081

E69081

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4884686_c2_284 | 2469 | 7691 | 287 | 864 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 5339133_c3_367 | 2470 | 7692 | 65 | 198 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 6338916_f3_157 | 2471 | 7693 | 112 | 336 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 644125_c2_309 | 2472 | 7694 | 104 | 315 | 87 | 0.00083 |

Protein name

Locus Name

Acc#

sp:INVA_BARBA

P35640

Description

INVASION PROTEIN A

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 6814062_f2_70 | 2473 | 7695 | 1248 | 3747 | 423 | 2.7e-38 |

Protein name

Locus Name

Acc#

biosynthesis of teichuronic acid tuaB

pir:D69727

D69727

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 6851660_f2_96 | 2474 | 7696 | 70 | 213 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 6923378_f3_150 | 2475 | 7697 | 488 | 1467 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 85901_c3_366 | 2476 | 7698 | 119 | 360 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 915912_f3_143 | 2477 | 7699 | 130 | 393 | 194 | 2.4e-15 |

Protein name _____ Locus Name _____ Acc# _____

hypothetical protein gp:AF158372 AF158372

Description _____

Flavobacterium johnsoniae hypothetical protein gene, partial cds;GldB (gldB), GldC (gldC), and hypothetical protein genes, completedcds; and hypothetical protein gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 975262_f3_149 | 2478 | 7700 | 611 | 1836 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 979137_f1_26 | 2479 | 7701 | 183 | 552 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 9959463_f3_146 | 2480 | 7702 | 331 | 996 | 150 | 9.7e-07 |

| Protein name | Locus Name | Acc# |
|--|------------|--------|
| serine/threonine-specific protein kinase, PFB0150c | pir:H71621 | H71621 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 2350306_f3_12 | 2481 | 7703 | 100 | 303 | 105 | 6.6e-06 |

| Protein name | Locus Name | Acc# |
|-----------------------------|------------|--------|
| hypothetical protein PH0217 | pir:G71244 | G71244 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 24335131_f2_8 | 2482 | 7704 | 63 | 192 | 106 | 5.1e-06 |

| Protein name | Locus Name | Acc# |
|-----------------------------|------------|--------|
| hypothetical protein PH0219 | pir:A71245 | A71245 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 31539640_c1_14 | 2483 | 7705 | 62 | 189 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 11756280_f2_12 | 2484 | 7706 | 667 | 2004 | 1546 | 1.3e-158 |

Protein name

Locus Name

Acc#

gp:CEY51H4A AL132952

Description

Caenorhabditis elegans cosmid Y51H4A, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 1198528_c1_58 | 2485 | 7707 | 81 | 246 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 1203442_f2_15 | 2486 | 7708 | 211 | 636 | 364 | 2.4e-33 |

Protein name

Locus Name

Acc#

sp:SCE4_METEX Q49135

Description

PUTATIVE SERINE CYCLE ENZYME (ORF4)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 12673767_f1_3 | 2487 | 7709 | 327 | 984 | 510 | 7.9e-49 |

Protein name

Locus Name

Acc#

histidine ammonia-lyase

pir:F75610

F75610

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|------------|-----------|--------|-------------|
| 12947255_f1_1 | 2488 | 7710 | 309 | 930 | 855 | 2.2e-85 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein TM0843 | | | pir:D72326 | | D72326 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|------------|-----------|--------|-------------|
| 21680317_f3_40 | 2489 | 7711 | 102 | 309 | 73 | 0.016 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein aq_862 | | | pir:F70374 | | F70374 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 21932163_f3_45 | 2490 | 7712 | 75 | 228 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|------------|-----------|--------|-------------|
| 2350306_c2_69 | 2491 | 7713 | 100 | 303 | 111 | 1.5e-06 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein PH0217 | | | pir:G71244 | | G71244 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 24431500_f3_42 | 2492 | 7714 | 310 | 933 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 24804561_f1_5 | 2493 | 7715 | 220 | 663 | 122 | 4.7e-06 |

Protein name: probable transcription regulator

Locus Name: pir:T29062

Acc#: T29062

Description:

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 25813300_f3_39 | 2494 | 7716 | 1021 | 3066 | 1244 | 1.3e-126 |

Protein name: acriflavine resistance protein (acrB)

Locus Name: gp:AE001125

Acc#:

Description: *Borrelia burgdorferi* (section II of 70) of the complete genome.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26204716_f2_18 | 2495 | 7717 | 64 | 195 | | |

Protein name:

Locus Name:

Acc#:

Description: NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 33398568_c3_101 | 2496 | 7718 | 75 | 228 | 61 | 0.044 |

Protein name: MADS box-like protein

Locus Name: gp:AB003323

Acc#: AB003323

Description:

Oryza sativa mRNA for MADS box-like protein, complete cds, clone:E20969.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 34409692_f1_2 | 2497 | 7719 | 419 | 1260 | 847 | 1.5e-84 |

Protein name
Locus Name
 sp:HUT1_BACSU

Acc#
 P42084

Description

HYDROLASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34651386_f2_24 | 2498 | 7720 | 489 | 1470 | | |

Protein name
Locus Name
Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 3916638_f3_30..... | 2499 | 7721 | 213 | 642 | | |

Protein name
Locus Name
Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------|------|------|-----------|-----------|-------|-------------|
| 4103137_f1_6..... | 2500 | 7722 | 309 | 930 | 200 | 6.7e-18 |

Protein name
Locus Name
Acc#

hypothetical protein sll0141

pir:S76434

S76434

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4141887_f3_38 | 2501 | 7723 | 453 | 1362 | 840 | 8.5e-84 |

Protein name: immunoreactive 52kD antigen PG41

Locus Name: gp:AF175716

Acc#: AF175716

Description: Porphyromonas gingivalis strain W50 immunoreactive 52kD antigenPG41 gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4422500_f3_37 | 2502 | 7724 | 159 | 480 | 308 | 1.4e-26 |

Protein name:

Locus Name: sp:HUTH_HUMAN

Acc#: P42357

Description: HISTIDINE AMMONIA-LYASE, (HISTIDASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 5331665_f1_9 | 2503 | 7725 | 525 | 1578 | 745 | 1.1e-77 |

Protein name: AlgI

Locus Name: gp:AF027499

Acc#: AF027499

Description: Azotobacter vinelandii mannuronan C-5-epimerase (algG) gene, partial cds; and AlgX, alginate lyase (algL), AlgI, and AlgV genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 7057792_f2_19 | 2504 | 7726 | 63 | 192 | 88 | 0.0036 |

Protein name:

Locus Name: gp:D85752

Acc#: D85752

Description: Enterococcus faecalis plasmid pPD1 bacA, bacB, bacC, bacD, bacE, bacF, bacG, bacH and bacI genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 14664052_c1_25 | 2505 | 7727 | 197 | 594 | 217 | 8.9e-18 |

| Protein name | Locus Name | Acc# |
|---|-------------|----------|
| RNA polymerase sigma factor SigZ-like protein | gp:AF137263 | AF137263 |

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucose gene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 23495336_c1_24 | 2506 | 7728 | 77 | 234 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 24035707_c1_27..... | 2507 | 7729 | 811 | 2436 | 515 | 5.2e-46 |

| Protein name | Locus Name | Acc# |
|--|------------|--------|
| 115K outer membrane protein precursor:SusC protein | pir:JC6027 | JC6027 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 29296910_c1_26..... | 2508 | 7730 | 346 | 1041 | 113 | 0.00087 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:FECD_ECOLI | P23485 |

Description

FECD PROTEIN

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 35328313_c2_31 | 2509 | 7731 | 381 | 1146 | 328 | 2.6e-28 |

| Protein name | Locus Name | Acc# |
|-------------------------|--------------|----------|
| receptor antigen (RagA) | gp:PGI130872 | AJ130872 |

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 3906250_f2_14 | 2510 | 7732 | 167 | 504 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 3947287_c3_38 | 2511 | 7733 | 95 | 285 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10250001_c2_207 | 2512 | 7734 | 109 | 330 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 10735692_f1_26 | 2513 | 7735 | 431 | 1296 | 967 | 3.0e-97 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:PUR2_HAEIN | P43845 |

Description

RIBONUCLEOTIDE SYNTHETASE) (PHOSPHORIBOSYLGLYCINAMIDE SYNTHETASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10937551_c2_210 | 2514 | 7736 | 246 | 741 | 94 | 0.036 |

| Protein name | Locus Name | Acc# |
|------------------------------|-------------|----------|
| DNA alkylation repair enzyme | gp:BAJ10128 | AJ010128 |

Description

Bacillus cereus bc297a, alkD genes and partial glyS gene.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 11203138_c2_205..... | 2515 | 7737 | 65 | 198 | 60 | 0.048 |

| Protein name | Locus Name | Acc# |
|------------------------------|-------------|----------|
| alpha 1,2 fucosyltransferase | gp:AF042743 | AF042743 |

Description

Rattus norvegicus alpha 1,2 fucosyltransferase mRNA, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 1194632_c3_244..... | 2516 | 7738 | 68 | 207 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 12350205_f3_94 | 2517 | 7739 | 614 | 1845 | 1095 | 8.1e-111 |

Protein name

Locus Name

Acc#

sp:UVRC_BACSU

P14951

Description

EXCINUCLEASE ABC SUBUNIT C

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 12542657_f3_111 | 2518 | 7740 | 288 | 867 | 533 | 2.9e-51 |

Protein name

Locus Name

Acc#

ABC-type transport protein slr2044:protein
slr2044:protein slr2044

pir:S75197

S75197

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 12973466_c1_168 | 2519 | 7741 | 530 | 1593 | 175 | 1.0e-16 |

Protein name

Locus Name

Acc#

Cps2J

gp:AF026471

AF026471

Description

Streptococcus pneumoniae DexB (dexB) gene, partial cds; putative transposase gene, complete cds; type 2 capsular polysaccharide biosynthesis operon, complete sequence; and AliA (aliA) gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 16047502_f1_4 | 2520 | 7742 | 451 | 1356 | 434 | 9.0e-41 |

Protein name

Locus Name

Acc#

spore maturation protein B: hypothetical
protein sl11677: hypothetical protein sl11677

pir:S74647

S74647

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|-----|-----|---------|
| 16228385_f3_108 | 2521 | 7743 | 159 | 480 | 163 | 4.7e-12 |
|-----------------|------|------|-----|-----|-----|---------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

| | | |
|-----------------------------------|------------|--------|
| alkaline phosphatase homolog ykoX | pir:B69861 | B69861 |
|-----------------------------------|------------|--------|

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|------|--|--|
| 16508444_c1_123 | 2522 | 7744 | 408 | 1227 | | |
|-----------------|------|------|-----|------|--|--|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|-----|-----|---------|
| 20734688_c1_146 | 2523 | 7745 | 253 | 762 | 231 | 2.9e-19 |
|-----------------|------|------|-----|-----|-----|---------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

sp:YEHT_ECOLI

Description

HYPOTHETICAL 27.9 KD PROTEIN IN MOLR-BGLX INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|----|--------|
| 20798338_f1_27 | 2524 | 7746 | 245 | 738 | 86 | 0.0026 |
|----------------|------|------|-----|-----|----|--------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

| | | |
|-------|-------------|----------|
| orf98 | gp:AF160864 | AF160864 |
|-------|-------------|----------|

Description

Tetrahymena pyriformis mitochondrial DNA, complete genome.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 20882827_f1_34 | 2525 | 7747 | 1119 | 3360 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 21907892_f2_67 | 2526 | 7748 | 305 | 918 | 175 | 2.2e-26 |

Protein name _____ Locus Name _____ Acc# _____

conserved hypothetical protein pir:C75368 C75368

Description _____

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 21991666_f1_28 | 2527 | 7749 | 323 | 972 | 498 | 1.5e-47 |

Protein name _____ Locus Name _____ Acc# _____

adhesion protein pir:C69180 C69180

Description _____

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 23477186_f1_14 | 2528 | 7750 | 243 | 732 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23595331_c3_251 | 2529 | 7751 | 293 | 879 | 343 | 1.7e-30 |

Protein name _____ Locus Name _____ Acc# _____

hypothetical protein sll1151 pir:S74882 S74882

Description _____

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 23631937_f3_88 | 2530 | 7752 | 143 | 432 | 177 | 1.5e-13 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| conserved hypothetical protein TP0650 | | | pir:A71300 | | A71300 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 24259677_f3_101 | 2531 | 7753 | 120 | 363 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | | | | |
| <u>Description</u> | | | | | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 24651660_c3_243 | 2532 | 7754 | 409 | 1230 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | | | | |
| <u>Description</u> | | | | | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 2516025_c1_126 | 2533 | 7755 | 405 | 1218 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | | | | |
| <u>Description</u> | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26359436_f1_17 | 2534 | 7756 | 140 | 423 | 91 | 0.015 |

Protein name Locus Name Acc#

gp:PFMAL3P8

Description

Plasmodium falciparum MAL3P8, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26598453_f3_96 | 2535 | 7757 | 302 | 909 | 544 | 2.0e-52 |

Protein name Locus Name Acc#

sp:DEOC_CAEEL Q19264

Description

(PHOSPHODEOXYRIBOALDOLASE) (DEOXYRIBOALDOLASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 29558432_f1_25 | 2536 | 7758 | 627 | 1884 | 818 | 1.8e-81 |

Protein name Locus Name Acc#

X-Pro dipeptidyl-peptidase, pir:JC5142 JC5142

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 30276587_c1_157 | 2537 | 7759 | 132 | 399 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 30479750_f2_56 | 2538 | 7760 | 151 | 456 | 191 | 5.1e-15 |

Protein name

Locus Name

Acc#

sp:YPJD_BACSU P42979

Description

HYPOTHETICAL 13.0 KD PROTEIN IN QCRC-DAPB INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 30664678_c2_173 | 2539 | 7761 | 377 | 1134 | 131 | 1.8e-05 |

Protein name

Locus Name

Acc#

glucose-binding protein gp:PPU74323 U74323

Description

Pseudomonas putida glucose-binding protein (glbB) gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 31444012_c1_161..... | 2540 | 7762 | 304 | 915 | 91 | 0.017 |

Protein name

Locus Name

Acc#

Gly1ORF1 gp:AF003941 AF003941

Description

Neisseria gonorrhoeae Gly1ORF1 and Gly1ORF2 genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 33400260_f1_6..... | 2541 | 7763 | 544 | 1635 | 123 | 0.00055 |

Protein name

Locus Name

Acc#

hypothetical protein F56H9.1 pir:T22808 T22808

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 33678186_c2_202 | 2542 | 7764 | 154 | 465 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 33992811_E3_95 | 2543 | 7765 | 158 | 477 | 379 | 6.1e-35 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:S39974

S39974

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34183407_E2_72 | 2544 | 7766 | 191 | 576 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4314637_F1_22 | 2545 | 7767 | 303 | 912 | 698 | 9.5e-69 |

Protein name

Locus Name

Acc#

sp:SRPH_SYNP7

Q59967

Description

SERINE ACETYLTRANSFERASE, PLASMID, (SAT)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4490938_f3_93 | 2546 | 7768 | 631 | 1896 | 1457 | 3.5e-149 |

Protein name

Locus Name

Acc#

sp:GIDA_PSEPU

P25756

Description

GLUCOSE INHIBITED DIVISION PROTEIN A

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4579011_f3_100 | 2547 | 7769 | 454 | 1365 | 667 | 1.8e-65 |

Protein name

Locus Name

Acc#

sp:Y064_SYNY3

Q55156

Description

HYPOTHETICAL 43.0 KD PROTEIN SLR0064

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4687767_c3_242 | 2548 | 7770 | 566 | 1701 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4719628_f1_36 | 2549 | 7771 | 312 | 939 | 541 | 4.1e-52 |

Protein name

Locus Name

Acc#

sp:YJES_ECOLI

P39288

Description

HYPOTHETICAL 43.1 KD PROTEIN IN PSD-AMIB INTERGENIC REGION (F379)

4490938_f3_93

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4766461_f2_52 | 2550 | 7772 | 240 | 723 | 396 | 9.6e-37 |

Protein name

Locus Name
sp:APT1_WHEAT
Acc#
Q43199

Description

ADENINE PHOSPHORIBOSYLTRANSFERASE 1, (APRT)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4804652_c1_145 | 2551 | 7773 | 679 | 2040 | 225 | 3.6e-15 |

Protein name

Locus Name
gp:D90868
Acc#

Description

E.coli genomic DNA, Kohara clone #414 (53.8-54.2 min.).

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 5292206_f2_75 | 2552 | 7774 | 207 | 624 | 222 | 2.6e-18 |

Protein name

Locus Name
sp:YFU2_BACST
Acc#
Q04729

Description

(ORF2)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 6254457_c3_248 | 2553 | 7775 | 371 | 1116 | 989 | 1.4e-99 |

Protein name

Locus Name
sp:RUVB_PSEAE
Acc#
Q51426

Description

HOLLIDAY JUNCTION DNA HELICASE RUVB

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------|------|------|-----------|-----------|-------|-------------|
| 6525_c1_151 | 2554 | 7776 | 354 | 1065 | 478 | 2.0e-45 |

Protein name

octylprenyl diphosphate synthase-like protein

Description

Pseudomonas sp. BG33R strain BG33R octylprenyl diphosphatesynthase-like protein gene, complete cds.

Locus Name

gp:AF153713

Acc#

AF153713

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 7078137_c2_200 | 2555 | 7777 | 136 | 411 | | |

Protein name

Description

NO-HIT

Locus Name

Acc#

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 894058_f2_60 | 2556 | 7778 | 1001 | 3006 | 2069 | 5.0e-214 |

Protein name

DNA polymerase I

Description

Rhodothermus obamensis DNA polymerase I (polA) gene, complete cds.

Locus Name

gp:AF121780

Acc#

AF121780

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 10187642_f1_26 | 2557 | 7779 | 256 | 771 | 112 | 6.3e-05 |

Protein name

immunity region protein in prophage homolog ydcM

Description

Locus Name

p1r:B69774

Acc#

B69774

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|----------------|------|------|----|-----|--|--|
| 1035311_f2_115 | 2558 | 7780 | 71 | 216 | | |
|----------------|------|------|----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|-----------------|------|------|-----|-----|--|--|
| 10354011_c2_312 | 2559 | 7781 | 266 | 801 | | |
|-----------------|------|------|-----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|-----------------|------|------|-----|------|--|--|
| 10550306_c3_436 | 2560 | 7782 | 352 | 1059 | | |
|-----------------|------|------|-----|------|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|-----------------|------|------|----|-----|--|--|
| 11989088_c2_364 | 2561 | 7783 | 92 | 279 | | |
|-----------------|------|------|----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 1220317_f2_113 | 2562 | 7784 | 309 | 930 | 264 | 9.3e-23 |

Protein name

Locus Name

sp:DDH_CORGL

Acc#

P04964

Description

MESO-DIAMINOPIMELATE D-DEHYDROGENASE,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 12306502_f1_44 | 2563 | 7785 | 205 | 618 | 353 | 3.4e-32 |

Protein name

Locus Name

sp:KGUA_YEAST

Acc#

P15454

Description

GUANYLATE KINASE, (GMP KINASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 12391401_f1_34 | 2564 | 7786 | 152 | 459 | 385 | 1.4e-35 |

Protein name

Locus Name

pir:D64944

Acc#

D64944

Description

probable permease b1828

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 12774028_f3_202 | 2565 | 7787 | 819 | 2460 | 355 | 3.5e-71 |

Protein name

Locus Name

sp:NRDD_HAEIN

Acc#

P43752

Description

ANAEROBIC RIBONUCLEOSIDE-TRIPHOSPHATE REDUCTASE,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 1281260_c2_372 | 2566 | 7788 | 481 | 1446 | 454 | 6.8e-43 |

| Protein name | Locus Name | Acc# |
|------------------------------|--------------|----------|
| O-unit flippase-like protein | gp:YPE251713 | AJ251713 |

Description

Yersinia pestis strain EV76 hemH gene (partial) and O-antigen genecluster for ddhD gene, ddhA gene, ddhB pseudogene, ddhC gene, prt gene, whyH gene, wzx gene, whyI pseudogene, whyJ gene, wzy pseudogene, whyK gene, gmd pseudogene, fcl pseudogene, manC gene, whyL gene, manB gene, wzz gene and gsk gene (partial).

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14495090_c2_321 | 2567 | 7789 | 94 | 285 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 15812885_c3_448 | 2568 | 7790 | 334 | 1005 | 358 | 1.0e-32 |

Protein name

Locus Name

Acc#

galactosyl transferase

gp:AF030373

AF030373

Description

Streptococcus pneumoniae strain SP-264 alpha, 1-6-glucosidase(dexB) gene, complete cds; capsular polysaccharide biosynthetic locus, complete sequence; and oligopeptide binding protein (aliA) gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 16056682_c1_245 | 2569 | 7791 | 96 | 291 | 74 | 0.013 |

Protein name

Locus Name

Acc#

hypothetical protein

gp:SSU18930

Y18930

Description

Sulfolobus solfataricus 281 kb genomic DNA fragment, strain P2.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|--------|-------------|
| 19551535_f3_192 | 2570 | 7792 | 118 | 357 | 113 | 9.3e-07 |
| Protein name | | | Locus Name | | Acc# | |
| unknown | | | gp:LLU35629 | | U35629 | |
| Description | | | | | | |
| Lactococcus lactis plasmid pSRQ802 abortive infection protein K(abiK) gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|------------|-----------|--------|-------------|
| 1994055_c3_451 | 2571 | 7793 | 239 | 720 | 104 | 0.0028 |
| Protein name | | | Locus Name | | Acc# | |
| capsular polysaccharide biosynthesis homolog ywqE | | | pir:H70066 | | H70066 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------|------|------|------------|-----------|-------|-------------|
| 20492137...f3_188..... | 2572 | 7794 | 167 | 504 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|-------|-------------|
| 22292513_f2_109..... | 2573 | 7795 | 185 | 558 | 179 | 9.5e-14 |
| Protein name | | | Locus Name | | Acc# | |
| Phosphinothricin acetyltransferase (EC | | | gp:D90784 | | | |
| Description | | | | | | |
| E.coli genomic DNA, Kohara clone #273(32.5-32.8 min.). | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23486536_c2_340 | 2574 | 7796 | 60 | 183 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23554651_c2_349 | 2575 | 7797 | 370 | 1113 | 1086 | 7.3e-110 |

Protein name

Locus Name

Acc#

PhnW

gp:STU69493

U69493

Description

Salmonella typhimurium ThiJ and Orf1 genes, partial cds, and PhnX, PhnW, PhnR, PhnS, PhnT, PhnU and PhnV genes, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23565628_f3_241 | 2576 | 7798 | 69 | 210 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23625311_c3_415 | 2577 | 7799 | 388 | 1167 | 745 | 5.0e-96 |

Protein name

Locus Name

Acc#

dTDPglucose
4,6-dehydratase, :dTDP-D-glucose-4,6-dehydratas
e:dTDP-glucose dehydratase

pir:T00102

T00102

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--|-------------|-------------|------------------|------------------|-------------------|--------------------|
| 23631627_c2_346 | 2578 | 7800 | 456 | 1371 | 340 | 8.2e-31 |
| <u>Protein name</u> | | | | | <u>Locus Name</u> | <u>Acc#</u> |
| conserved hypothetical protein aq_1964 | | | | | pir:D70468 | D70468 |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|-------------------|--------------------|
| 23632211_f3_239 | 2579 | 7801 | 221 | 666 | | |
| <u>Protein name</u> | | | | | <u>Locus Name</u> | <u>Acc#</u> |
| | | | | | | |
| <u>Description</u> | | | | | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---|-------------|-------------|------------------|------------------|-------------------|--------------------|
| 23632880_c2_341 | 2580 | 7802 | 245 | 738 | 199 | 7.2e-16 |
| <u>Protein name</u> | | | | | <u>Locus Name</u> | <u>Acc#</u> |
| hypothetical protein | | | | | gp:EFY17797 | Y17797 |
| <u>Description</u> | | | | | | |
| Enterococcus faecalis gph, ydjH, ydjG, ydjI, pbp4 and ydiC, ORF2 and ORF3 genes, partial. | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|-------------------|--------------------|
| 23697051_c2_357 | 2581 | 7803 | 305 | 918 | 305 | 4.2e-27 |
| <u>Protein name</u> | | | | | <u>Locus Name</u> | <u>Acc#</u> |
| | | | | | sp:RUVA_PSEAE | Q51425 |
| <u>Description</u> | | | | | | |

HOLLIDAY JUNCTION DNA HELICASE RUVA

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24066055_f3_173 | 2582 | 7804 | 310 | 933 | 107 | 0.022 |

Protein name

Locus Name

Acc#

gp:SCYDL057W

Description

S.cerevisiae chromosome IV reading frame ORF YDL057w.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24353386_f1_45 | 2583 | 7805 | 202 | 609 | 301 | 1.1e-26 |

Protein name

Locus Name

Acc#

sp:YQEQ_BACSU P54455

Description

HYPOTHETICAL 22.2 KD PROTEIN IN AROD-COMER INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24412952_c3_452 | 2584 | 7806 | 146 | 441 | 128 | 2.4e-08 |

Protein name

Locus Name

Acc#

cold shock protein homolog cspC

pir:S43618

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24469555_c1_275 | 2585 | 7807 | 438 | 1317 | 988 | 1.8e-99 |

Protein name

Locus Name

Acc#

UDP-N-acetylglucosamine
1-carboxyvinyltransferase (murA) homolog

pir:G70158 G70158

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24644068_F3_203 | 2586 | 7808 | 154 | 465 | 322 | 6.6e-29 |

Protein name

Locus Name

sp:NRDG_HAEIN

Acc#

P45080

Description

(EC 1.97.1.-)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24645138_c3_444 | 2587 | 7809 | 210 | 633 | 110 | 3.5e-06 |

Protein name

Locus Name

gp:AF048749

Acc#

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24648443_c3_394..... | 2588 | 7810 | 474 | 1425 | 451 | 1.4e-42 |

Protein name

Locus Name

sp:YEBU_ECOLI

Acc#

Description

HYPOTHETICAL 53.2 KD PROTEIN IN PRC-PRPA INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24804691_F2_152..... | 2589 | 7811 | 1032 | 3099 | 1980 | 1.3e-204 |

Protein name

Locus Name

pir:S77008

Acc#

S77008

Description

cation efflux system protein czcA-1:protein slr0794:protein slr0794

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------------|------|------|-----------|------------|-------|-------------|
| 2538562_c3_406 | 2590 | 7812 | 139 | 420 | 191 | 5.1e-15 |
| Protein name | | | | Locus Name | | Acc# |
| response regulator homolog | | | | pir:A69531 | | A69531 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-----------|--------------|-------|-------------|
| 2540885_f1_5 | 2591 | 7813 | 483 | 1452 | 119 | 0.00070 |
| Protein name | | | | Locus Name | | Acc# |
| receptor antigen B (RagB) | | | | gp:PGI130872 | | AJ130872 |
| Description | | | | | | |
| Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-----------|---------------|-------|-------------|
| 25510927_f3_242 | 2592 | 7814 | 429 | 1290 | 677 | 1.6e-66 |
| Protein name | | | | Locus Name | | Acc# |
| | | | | sp:YWNE_BACSU | | P71040 |
| Description | | | | | | |
| HYPOTHETICAL 55.8 KD PROTEIN IN SPOTIQ-MTA INTERGENIC REGION | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------|------|------|-----------|------------|-------|-------------|
| 25594152_c1_269 | 2593 | 7815 | 448 | 1347 | 262 | 4.2e-22 |
| Protein name | | | | Locus Name | | Acc# |
| probable phosphoesterase, ykuE | | | | pir:B69865 | | B69865 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26212837_c3_465 | 2594 | 7816 | 482 | 1449 | 1671 | 7.4e-172 |

| Protein name | Locus Name | Acc# |
|------------------|-------------|----------|
| polyA polymerase | gp:AB022867 | AB022867 |

Description

Prevotella ruminicola genes for polyA polymerase, D-alanineglycinepermease and cellulase, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26305136_c3_418 | 2595 | 7817 | 205 | 618 | 130 | 1.5e-08 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:RIMM_HAEIN | P44568 |

Description

16S RRNA PROCESSING PROTEIN RIMM

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 26360762_c2_352..... | 2596 | 7818 | 98 | 297 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 26367332_f3_232..... | 2597 | 7819 | 404 | 1215 | 135 | 4.7e-06 |

| Protein name | Locus Name | Acc# |
|--|------------|--------|
| cation efflux system membrane protein czcc | pir:C33830 | C33830 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26600682_f2_110 | 2598 | 7820 | 176 | 531 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 2775312_f2_96 | 2599 | 7821 | 300 | 903 | 153 | 9.6e-09 |

Protein name _____ Locus Name _____ Acc# _____

hypothetical protein aq_1477 pir:D70428 D70428

Description _____

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 29347260_c3_438 | 2600 | 7822 | 105 | 318 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 29412901_c2_334 | 2601 | 7823 | 295 | 888 | 1030 | 6.3e-104 |

Protein name _____ Locus Name _____ Acc# _____

glucose-1-phosphate thymidyltransferase, pir:C69106 C69106

Description _____

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 29475312_c1_276 | 2602 | 7824 | 395 | 1188 | 866 | 1.5e-86 |

Protein name _____ Locus Name _____ Acc# _____

sp:DXR_SYNY3 Q55663

Description _____

REDUCTOISOMERASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 30164137_c3_422 | 2603 | 7825 | 292 | 879 | 460 | 1.6e-43 |

Protein name

Locus Name

Acc#

2-phosphonoacetaldehyde hydrolase

gp:PAU45309

U45309

Description

Pseudomonas aeruginosa 2-phosphonoacetaldehyde hydrolase gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 31307880_f2_133 | 2604 | 7826 | 108 | 327 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 31836562_f1_56..... | 2605 | 7827 | 95 | 288 | 115 | 1.6e-06 |

Protein name

Locus Name

Acc#

sperm-specific protein component

gp:DMU90537

U90537

Description

Drosophila melanogaster sperm-specific protein component (dj) mRNA, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 32614052_f3_204..... | 2606 | 7828 | 562 | 1689 | 921 | 2.2e-92 |

Protein name

Locus Name

Acc#

probable permease b1828

pir:D64944

D64944

Description

30164137_c3_422

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------|-------------|
| 33252182_c3_437 | 2607 | 7829 | 237 | 714 | 392 | 2.5e-36 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| ribose 5-phosphate isomerase (rpi) homolog | | | pir:G69367 | | | G69367 |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------|-------------|
| 33400268_c3_467 | 2608 | 7830 | 701 | 2106 | 170 | 1.1e-09 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| | | | sp:YE09_SYNY3 | | | P73594 |
| <u>Description</u> | | | | | | |
| HYPOTHETICAL WD-REPEAT PROTEIN SLR1409 | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-------------------|-----------|-------|-------------|
| 33992130_f1_57 | 2609 | 7831 | 138 | 417 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| | | | | | | |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-------------------|-----------|-------|-------------|
| 34022765_f3_184 | 2610 | 7832 | 99 | 300 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| | | | | | | |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------|------|------|-------------------|-----------|-------|-------------|
| 34172765_c3_449 | 2611 | 7833 | 373 | 1122 | 122 | 0.00018 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| hypothetical protein 4 | | | pir:E22845 | | | E22845 |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------|-------------|
| 34181500_f1_6 | 2612 | 7834 | 955 | 2868 | 651 | 1.1e-61 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| immunoreactive 106 kDa antigen PG115 | | | gp:AF153767 | | | AF153767 |
| <u>Description</u> | | | | | | |
| Porphyromonas gingivalis strain W50 immunoreactive 106 kDa antigenPG115 gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------|-------------|
| 34181587_f2_103 | 2613 | 7835 | 720 | 2163 | 202 | 4.6e-15 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| | | | gp:U93688 | | | U93688 |
| <u>Description</u> | | | | | | |
| Staphylococcus aureus toxic shock syndrome toxin-1 (tst), enterotoxin (ent), and integrase (int) genes, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------------------------|------|------|-------------------|-----------|-------|-------------|
| 34572182_c3_468..... | 2614 | 7836 | 921 | 2766 | 127 | 0.00026 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| conserved hypothetical protein aq_854 | | | pir:B70374 | | | B70374 |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------|------|------|-------------------|-----------|-------|-------------|
| 36329426_f1_54..... | 2615 | 7837 | 700 | 2103 | 1174 | 3.4e-119 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| | | | sp:PPK_ECOLI | | | P28688 |
| <u>Description</u> | | | | | | |
| POLYPHOSPHATE KINASE, | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 39242137_c2_306 | 2616 | 7838 | 120 | 363 | 464 | 6.0e-44 |

| Protein name | Locus Name | Acc# |
|----------------------|------------|--------|
| hypothetical protein | pir:JQ1020 | JQ1020 |
| Description | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 3960126_c1_249 | 2617 | 7839 | 377 | 1134 | 108 | 0.0045 |

| Protein name | Locus Name | Acc# |
|--------------|------------|--------|
| | gp:UMCRG1 | X92509 |
| Description | | |

U.maydis crg1 gene.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4023452_f3_175 | 2618 | 7840 | 400 | 1203 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |
| Description | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4062817_f1_58 | 2619 | 7841 | 417 | 1254 | 233 | 1.0e-17 |

| Protein name | Locus Name | Acc# |
|----------------------------------|------------|--------|
| cation efflux system (czcB-like) | pir:E70342 | E70342 |
| Description | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4094787_f3_174 | 2620 | 7842 | 1019 | 3060 | 745 | 1.9e-73 |

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4100377_c2_370 | 2621 | 7843 | 166 | 501 | 201 | 4.4e-16 |

Protein name

Locus Name

Acc#

unknown

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4104687_f1_20 | 2622 | 7844 | 105 | 318 | 116 | 4.5e-07 |

Protein name

Locus Name

Acc#

sp:Y4DJ_RHISN

P55409

Description

HYPOTHETICAL TRANSCRIPTIONAL REGULATOR Y4DJ

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4110262_c3_446 | 2623 | 7845 | 179 | 540 | 312 | 7.6e-28 |

Protein name

Locus Name

Acc#

sp:CAPG_STAAU

P39856

Description

CAPG PROTEIN

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------------|-------------|
| 4114692_f3_229 | 2624 | 7846 | 547 | 1644 | 1069 | 4.6e-108 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| ABC-type transport protein slr0864:protein slr0864 | | | pir:S74849 | | S74849 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 4141886_f3_187 | 2625 | 7847 | 473 | 1422 | 107 | 0.029 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| middle molecular weight neurofilament protein | | | gp:XL085969 | | U85969 | |
| <u>Description</u> | | | | | | |
| Xenopus laevis middle molecular weight neurofilament proteinNF-M(1) mRNA, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|-------------------|-----------|-------------|-------------|
| 4187767_c3_414 | 2626 | 7848 | 189 | 570 | 120 | 1.2e-06 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | sp:YH74_METTH | | 027802 | |
| <u>Description</u> | | | | | | |
| HYPOTHETICAL PROTEIN MJ1774 | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 4412550_f2_104 | 2627 | 7849 | 165 | 498 | 105 | 6.6e-06 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | sp:IHFA_HAEIN | | P43723 | |
| <u>Description</u> | | | | | | |
| INTEGRATION HOST FACTOR ALPHA-SUBUNIT (IHF-ALPHA) | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4457750_c2_342 | 2628 | 7850 | 208 | 627 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4719385_c2_344 | 2629 | 7851 | 290 | 873 | 235 | 1.1e-19 |

Protein name

Locus Name

Acc#

lipoprotein

gp:AF000945

AF000945

Description

Vibrio cholerae lipoprotein (nlpD) gene, partial cds, sigma S(rpoS) gene, complete cds, and methyl-directed mismatch repairprotein (mutS) gene, partial cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4726557_f2_160 | 2630 | 7852 | 185 | 558 | 246 | 7.5e-21 |

Protein name

Locus Name

Acc#

AlgT

gp:AF190580

AF190580

Description

Pseudomonas syringae pv. syringae AlgT (algT) gene, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4876252_c3_447 | 2631 | 7853 | 341 | 1026 | 108 | 0.0038 |

Protein name

Locus Name

Acc#

galactosyl transferase

gp:SPN239004

AJ239004

Description

Streptococcus pneumoniae type 8 capsular gene cluster.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 4885937_f1_49 | 2632 | 7854 | 301 | 906 | 446 | 4.8e-42 |

Protein name

Locus Name

Acc#

putative 1,4-dihydroxy-2-naphthoate

gp:AF101047

Description

Haemophilus ducreyi putative
1,4-dihydroxy-2-naphthoate octaprenyltransferase, YadR (yadR), cytidine
5'monophosphate N-acetylneuraminic acid synthetase (neuA),
lipooligosaccharide sialyltransferase (lst), and putative
dTDP-D-glucose 4,6-dehydratase (rmlB) genes, complete cds; and

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 5178800_f2_114 | 2633 | 7855 | 240 | 723 | 325 | 3.2e-29 |

Protein name

Locus Name

Acc#

sp:HLY3_BACCE

P54176

Description

HEMOLYSIN III (HLY-III)

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 5863277_c2_371 | 2634 | 7856 | 368 | 1107 | 406 | 8.3e-38 |

Protein name

Locus Name

Acc#

llm protein

pir:A55856

A55856

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 5892183_f3_198 | 2635 | 7857 | 143 | 432 | 121 | 1.3e-07 |

Protein name

Locus Name

Acc#

conserved hypothetical protein MTH700

pir:E69193

E69193

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 5937787_f3_227 | 2636 | 7858 | 775 | 2328 | 152 | 2.0e-10 |

Protein name

Locus Name

Acc#

sp:YG04_HAEIN

P45268

Description

PUTATIVE PHOSPHATE PERMEASE HI1604

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 6066040_f3_208 | 2637 | 7859 | 297 | 894 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 6345012_f1_43..... | 2638 | 7860 | 304 | 915 | 360 | 6.2e-33 |

Protein name

Locus Name

Acc#

conserved hypothetical protein yloC

pir:A69878

A69878

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 6428430_c3_450..... | 2639 | 7861 | 376 | 1131 | 746 | 7.8e-74 |

Protein name

Locus Name

Acc#

cpsF protein, 40,6K

pir:S70157

S70157

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 6835285_c3_393..... | 2640 | 7862 | 125 | 378 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 7148412_F3_240 | 2641 | 7863 | 113 | 342 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 14178177_c3_105 | 2642 | 7864 | 64 | 195 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 19744643_c2_85 | 2643 | 7865 | 151 | 456 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23468752_c2_84 | 2644 | 7866 | 206 | 621 | 97 | 0.010 |

Protein name

Locus Name

Acc#

sp:VGP8_EBV

P03224

Description

PROBABLE MEMBRANE ANTIGEN GP85

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24337765_f1_23 | 2645 | 7867 | 267 | 804 | 365 | 3.0e-32 |

| Protein name | Locus Name | Acc# |
|--|------------|--------|
| 115K outer membrane protein precursor:Susc protein | pir:JC6027 | JC6027 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24390925_f2_41 | 2646 | 7868 | 540 | 1623 | 2188 | 1.2e-226 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:PPCK_ANASU | 009460 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24432692_c2_78 | 2647 | 7869 | 538 | 1617 | 92 | 0.031 |

| Protein name | Locus Name | Acc# |
|--------------|--------------|--------|
| MerC protein | gp:EAMMRTRAN | Y08992 |

Description

E.agglomerans pKLH272 incomplete unit of mosaic mercury resistancetransposon.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24771187_f1_22 | 2648 | 7870 | 60 | 183 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24803760_f2_36 | 2649 | 7871 | 637 | 1914 | 1489 | 1.4e-152 |

| Protein name | Locus Name | Acc# |
|---------------------------------------|------------|----------|
| putative oxidoreductase alpha-subunit | gp:SCAH10 | AL132824 |

Description

Streptomyces coelicolor cosmid AH10.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 25444787_c3_98 | 2650 | 7872 | 222 | 669 | 784 | 7.3e-78 |

| Protein name | Locus Name | Acc# |
|----------------------------------|-------------|----------|
| Uracil phosphoribosyltransferase | gp:AB016085 | AB016085 |

Description

Porphyromonas gingivalis Port, upp, and prtQ genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26056588_f2_37 | 2651 | 7873 | 337 | 1014 | 819 | 1.4e-81 |

| Protein name | Locus Name | Acc# |
|-------------------------|------------|--------|
| probable oxidoreductase | pir:E70864 | E70864 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26364836_c1_70 | 2652 | 7874 | 60 | 183 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26562750_c1_69 | 2653 | 7875 | 415 | 1248 | 196 | 9.6e-13 |

Protein name

Locus Name

Acc#

transposase

gp:AF038866

AF038866

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 26854808_f1_2 | 2654 | 7876 | 117 | 354 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 29290000_f1_11 | 2655 | 7877 | 300 | 903 | 148 | 4.2e-08 |

Protein name

Locus Name

Acc#

sp:MSMR_STRMU

Q00753

Description

MSM OPERON REGULATORY PROTEIN

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 32455077_c1_73 | 2656 | 7878 | 261 | 786 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 32602012_f2_43 | 2657 | 7879 | 81 | 246 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 33647142_c2_76 | 2658 | 7880 | 277 | 834 | 280 | 1.9e-24 |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

| | | |
|---|------------|--------|
| glycerophosphodiester phosphodiesterase homolog yhdW | pir:E69827 | E69827 |
|---|------------|--------|

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 35235700_c1_60 | 2659 | 7881 | 62 | 189 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 36520931_f2_42 | 2660 | 7882 | 798 | 2397 | 376 | 5.7e-31 |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

| | | |
|---|------------|--------|
| 115K outer membrane protein precursor:SusC protein | pir:JC6027 | JC6027 |
|---|------------|--------|

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 392005_c1_72 | 2661 | 7883 | 579 | 1740 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 3959677_c1_71 | 2662 | 7884 | 189 | 570 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4876450_c2_88 | 2663 | 7885 | 392 | 1179 | 88 | 0.00068 |

Protein name Locus Name Acc#

gp:D42067 D42067

Description

Porphyromonas gingivalis DNA for Fimbrilin, ORF1-4, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 822135_c3_106 | 2664 | 7886 | 90 | 273 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 9933530_c2_77 | 2665 | 7887 | 66 | 201 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 23487680_f2_13 | 2666 | 7888 | 443 | 1332 | 110 | 3.1e-10 |

Protein name

Locus Name

Acc#

conserved hypothetical protein yknZ

pir:E69858

E69858

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24641677_f2_14 | 2667 | 7889 | 425 | 1278 | 128 | 1.4e-05 |

Protein name

Locus Name

Acc#

conserved hypothetical protein yvrM

pir:G70047

G70047

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24664700_f3_22 | 2668 | 7890 | 113 | 342 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 30347807_c3_46 | 2669 | 7891 | 304 | 915 | 132 | 3.4e-08 |

Protein name

Locus Name

Acc#

gp:AP000342

AP000342

Description

Plasmid R100 genomic DNA.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|-----|---------|
| 32072162_f2_12 | 2670 | 7892 | 429 | 1290 | 123 | 0.00013 |
|----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

sp:Y797_METJA

Q58207

Description

HYPOTHETICAL PROTEIN MJ0797

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|------|-----|---------|
| 3932937_f2_17 | 2671 | 7893 | 427 | 1284 | 219 | 7.5e-15 |
|---------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

sp:YBJZ_ECOLI

P75831

Description

HYPOTHETICAL ABC TRANSPORTER ATP-BINDING PROTEIN YBJZ

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|-----|-----|---------|
| 3960882_f3_23 | 2672 | 7894 | 224 | 675 | 602 | 1.4e-58 |
|---------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:YF08_METJA

Q58903

Description

HYPOTHETICAL ABC TRANSPORTER ATP-BINDING PROTEIN MJ1508

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|------|-----|---------|
| 4898552_f1_10 | 2673 | 7895 | 401 | 1206 | 120 | 0.00028 |
|---------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

gp:D85752

D85752

Description

Enterococcus faecalis plasmid pPDI bacA, bacB, bacC, bacD, bacE, bacF, bacG, bacH and bacI genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------------|------|------|------------|-----------|--------|-------------|
| 7220142_f2_11 | 2674 | 7896 | 215 | 648 | 127 | 3.1e-06 |
| Protein name | | | Locus Name | | Acc# | |
| conserved hypothetical protein yvrM | | | pir:G70047 | | G70047 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 10289015_f1_15 | 2675 | 7897 | 81 | 246 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|--------|-------------|
| 10328155_c1_403 | 2676 | 7898 | 133 | 402 | 88 | 0.035 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein sl10241 | | | pir:S75099 | | S75099 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 1054188_c1_358 | 2677 | 7899 | 127 | 384 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 10970392_f1_119 | 2678 | 7900 | 107 | 324 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| I1109662_f1_92 | 2679 | 7901 | 203 | 612 | 515 | 2.3e-49 |

| Protein name | Locus Name | Acc# |
|-----------------------------------|-------------|----------|
| Immunoreactive 21 kD antigen PG10 | gp:AF144077 | AF144077 |

Description

Porphyromonas gingivalis strain W50 immunoreactive 21 kD antigenPG10 gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| I1132800_f1_31 | 2680 | 7902 | 499 | 1500 | 1616 | 5.0e-166 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:SAHH_MESCR | P93253 |

Description

HYDROLASE) (ADOH CYASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------|------|------|-----------|-----------|-------|-------------|
| I11725312_f3_261..... | 2681 | 7903 | 120 | 363 | 240 | 3.2e-20 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:RS15_BORBU | O51744 |

Description

30S RIBOSOMAL PROTEIN S15

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| I219437_c1_425..... | 2682 | 7904 | 532 | 1599 | 255 | 1.1e-34 |

| Protein name | Locus Name | Acc# |
|--------------|--------------|--------|
| | sp:STS_HUMAN | P08842 |

Description

SULFATE SULFOHYDROLASE) (ARYLSULFATASE C) (ASC)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|--------|-------------|
| 13757180_f2_220 | 2683 | 7905 | 60 | 183 | 70 | 0.033 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein APE1598 | | | pir:A72539 | | A72539 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|------------|-----------|--------|-------------|
| 14063750_f1_124 | 2684 | 7906 | 452 | 1359 | 114 | 2.6e-05 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein PH0212 | | | pir:B71244 | | B71244 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|--------|-------------|
| 14173331_c2_516 | 2685 | 7907 | 113 | 342 | 103 | 1.1e-05 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein APE0625 | | | pir:C72649 | | C72649 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 14536453_c1_372 | 2686 | 7908 | 78 | 237 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | NO-HIT | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|------------|-----------|--------|-------------|
| 14720052_f3_345 | 2687 | 7909 | 329 | 990 | 553 | 2.2e-53 |
| Protein name | | | Locus Name | | Acc# | |
| clindamycin resistance transfer factor btgB | | | pir:B41656 | | B41656 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14885826_f3_296 | 2688 | 7910 | 64 | 195 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 15039137_c2_505 | 2689 | 7911 | 682 | 2049 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 167802_f3_342 | 2690 | 7912 | 323 | 972 | 151 | 5.7e-15 |

Protein name

Locus Name

Acc#

hypothetical protein SCJ12.27c

pir:T37044

T37044

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 16986252_c2_479 | 2691 | 7913 | 261 | 786 | 595 | 7.8e-58 |

Protein name

Locus Name

Acc#

hypothetical protein jhpl180

pir:A71838

A71838

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 19551337_c2_474 | 2692 | 7914 | 262 | 789 | 225 | 1.3e-18 |

Protein name

Locus Name

Acc#

hypothetical protein b2381

pir:B65012

B65012

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 19625177_f2_232 | 2693 | 7915 | 353 | 1062 | 423 | 1.3e-39 |

| Protein name | Locus Name | Acc# |
|-----------------------------|------------|--------|
| thiamin monphosphate kinase | pir:G69052 | G69052 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 19719812_f3_346 | 2694 | 7916 | 440 | 1323 | 432 | 1.5e-40 |

| Protein name | Locus Name | Acc# |
|---|-------------|----------|
| NcoI DNA modification methyltransferase | gp:AF068761 | AF068761 |

Description

Nocardia corallina NcoI DNA modification methyltransferase (ncoIM) and NcoI restriction endonuclease (ncoIR) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 1992707_c1_402 | 2695 | 7917 | 167 | 504 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 20742167_f3_344 | 2696 | 7918 | 112 | 339 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 210937_c2_462 | 2697 | 7919 | 232 | 699 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 21520936_f3_348..... | 2698 | 7920 | 180 | 543 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 21600627_f2_230..... | 2699 | 7921 | 613 | 1842 | 888 | 7.0e-89 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | |
|---------------|--------|
| sp:SPPA_SYNY3 | P73689 |
|---------------|--------|

Description

PROTEASE IV HOMOLOG, (ENDOPEPTIDASE IV)

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 21673205_c1_423..... | 2700 | 7922 | 1178 | 3537 | 633 | 2.2e-62 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|-------------------------|--------------|----------|
| receptor antigen (RagA) | gp:PGI130872 | AJ130872 |
|-------------------------|--------------|----------|

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 21673332_c1_424 | 2701 | 7923 | 656 | 1971 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 21757701_f1_93 | 2702 | 7924 | 95 | 288 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 22064087_c2_458 | 2703 | 7925 | 66 | 201 | 51 | 0.016 |

Protein name Locus Name Acc#

cytochrome oxidase subunit II gp:TIMY18821 Y18821

Description

Timarcha metallica mitochondrial tRNA-Leu and partial COII genes, isolate Forest d'Anlier.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 22078391_f3_333 | 2704 | 7926 | 62 | 189 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 22462842_c1_397 | 2705 | 7927 | 375 | 1128 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 22687827_c3_551 | 2706 | 7928 | 443 | 1332 | 136 | 9.8e-05 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:H75507

H75507

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 22838405_c3_598 | 2707 | 7929 | 1251 | 3756 | 333 | 5.6e-47 |

Protein name

Locus Name

Acc#

hybrid histidine kinase

gp:AF029704

AF029704

Description

Dictyostelium discoideum hybrid histidine kinase (dhkD) mRNA, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23492786_c1_395 | 2708 | 7930 | 85 | 258 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 2350306_f1_106 | 2709 | 7931 | 100 | 303 | 105 | 6.6e-06 |

Protein name

Locus Name

Acc#

hypothetical protein PH0217

pir:G71244

G71244

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23537750_f2_168 | 2710 | 7932 | 567 | 1704 | 269 | 3.5e-21 |

Protein name

Locus Name

Acc#

immunoreactive 53 kD antigen PG123

gp:AF144641

AF144641

Description

Porphyromonas gingivalis strain W50 immunoreactive 53 kD antigenPG123 gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23625061_f2_247 | 2711 | 7933 | 246 | 741 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 23629407_f2_244..... | 2712 | 7934 | 410 | 1233 | 184 | 1.3e-13 |

Protein name

Locus Name

Acc#

hypothetical protein (avrc 3' region)

pir:C43649

C43649

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 23633430_c3_552..... | 2713 | 7935 | 435 | 1308 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23875636_F2_151 | 2714 | 7936 | 87 | 264 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23876527_C1_356 | 2715 | 7937 | 61 | 186 | 53 | 0.016 |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

| | | |
|------|-------------|--------|
| TrkA | gp:BSU62055 | U62055 |
|------|-------------|--------|

Description

Bacillus subtilis CzcD (czcD) gene, partial cds, TrkA (trkA) gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23939825_F3_341 | 2716 | 7938 | 633 | 1902 | 224 | 4.5e-30 |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

| | |
|---------------|--------|
| sp:YF65_METJA | Q58960 |
|---------------|--------|

Description

HYPOTHETICAL PROTEIN MJ1565

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23985687_F2_231 | 2717 | 7939 | 285 | 858 | 736 | 8.9e-73 |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

| | | |
|---------------------------------|------------|--------|
| purine nucleoside phosphorylase | pir:H72217 | H72217 |
|---------------------------------|------------|--------|

Description

23875636_F2_151

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------|------|------|------------|-----------|--------|-------------|
| 24250953_f3_254 | 2718 | 7940 | 640 | 1923 | 941 | 1.9e-98 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein F10M10.30 | | | pir:T04772 | | T04772 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 24257177_f3_297 | 2719 | 7941 | 688 | 2067 | 1426 | 4.9e-173 |
| Protein name | | | Locus Name | | Acc# | |
| methionyl-tRNA synthetase (mets) PAB2364 | | | pir:B75074 | | B75074 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 2428417_c3_594 | 2720 | 7942 | 67 | 204 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|------------|-----------|--------|-------------|
| 24335131_f2_222 | 2721 | 7943 | 64 | 195 | 106 | 5.1e-06 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein PH0219 | | | pir:A71245 | | A71245 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 24343756_f3_255 | 2722 | 7944 | 62 | 189 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24401002_c2_500 | 2723 | 7945 | 114 | 345 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24412626_f2_140..... | 2724 | 7946 | 682 | 2049 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 244636_c3_591..... | 2725 | 7947 | 321 | 966 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24487752_f2_249..... | 2726 | 7948 | 349 | 1050 | 109 | 0.012 |

Protein name _____ Locus Name _____ Acc# _____

DNA-directed RNA polymerase, beta'-2
chain:RNA polymerase rpoC2

pir:S72284

S72284

Description _____

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24494067_f2_169 | 2727 | 7949 | 357 | 1074 | 138 | 1.1e-08 |

Protein name

Locus Name

Acc#

thiol:disulfide interchange protein homolog
yneN

pir:E69891

E69891

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24503502_f2_143 | 2728 | 7950 | 98 | 297 | 124 | 7.3e-08 |

Protein name

Locus Name

Acc#

hypothetical protein

gp:SSU18930

Y18930

Description

Sulfolobus solfataricus 281 kb genomic DNA fragment, strain P2.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24642312_c2_464 | 2729 | 7951 | 105 | 318 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24646916_f1_52 | 2730 | 7952 | 185 | 558 | 203 | 2.7e-16 |

Protein name

Locus Name

Acc#

RNA polymerase sigma factor SigZ-like protein

gp:AF137263

AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucose gene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24647188_c2_502 | 2731 | 7953 | 209 | 630 | 77 | 0.019 |

Protein name

Locus Name

Acc#

gp:HIVY16028

Y16028

Description

HIV-1 vif, vpr, tat, vpu genes, strain 95CAMP448.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24648417_f3_309 | 2732 | 7954 | 291 | 876 | 375 | 1.4e-41 |

Protein name

Locus Name

Acc#

macrophage infectivity potentiator

gp:LAU91606

U91606

Description

Legionella adelaidensis macrophage infectivity potentiator (mip) gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24648442_c3_553..... | 2733 | 7955 | 504 | 1515 | 131 | 0.00012 |

Protein name

Locus Name

Acc#

gp:SCYDL057W

Description

S.cerevisiae chromosome IV reading frame ORF YDL057w.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24650150_c1_396..... | 2734 | 7956 | 466 | 1401 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24798157_c2_460 | 2735 | 7957 | 119 | 360 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 2531537_f2_197 | 2736 | 7958 | 370 | 1113 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 25547302_c1_379 | 2737 | 7959 | 355 | 1068 | 205 | 3.1e-14 |

Protein name Locus Name Acc#

AlgZ gp:PAU52431 U52431

Description

Pseudomonas aeruginosa AlgR-cognate sensor AlgZ (algZ) gene, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 25578342_f1_120 | 2738 | 7960 | 380 | 1143 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------------|-------------|
| 25632882_f1_108 | 2739 | 7961 | 384 | 1155 | 321 | 8.5e-29 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| conserved hypothetical protein aq_1656 | | | pir:C70443 | | C70443 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------------|-------------|
| 26290890_f3_256 | 2740 | 7962 | 1087 | 3264 | 422 | 1.1e-73 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| 115K outer membrane protein precursor:SusC protein | | | pir:JC6027 | | JC6027 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------------|-------------|
| 26364458_c1_433 | 2741 | 7963 | 638 | 1917 | 1704 | 2.4e-175 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| GTP-binding elongation factor family protein TypA/BipA | | | pir:E75426 | | E75426 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 26445263_c1_378 | 2742 | 7964 | 435 | 1308 | 252 | 5.8e-19 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| immunoreactive 52kD antigen PG41 | | | gp:AF175716 | | AF175716 | |
| <u>Description</u> | | | | | | |
| Porphyromonas gingivalis strain W50 immunoreactive 52kD antigenPG41 gene, complete cds. | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 26595663_c3_550 | 2743 | 7965 | 358 | 1077 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 26619587_c2_504..... | 2744 | 7966 | 392 | 1179 | 271 | 3.6e-27 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|---|------------|--------|
| coenzyme PQQ synthesis protein (pqgE) homolog | pir:F69551 | F69551 |
|---|------------|--------|

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 26640807_f3_252..... | 2745 | 7967 | 496 | 1491 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 282708_f3_320..... | 2746 | 7968 | 60 | 183 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 29479502_f2_246..... | 2747 | 7969 | 243 | 732 | 126 | 2.3e-06 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|----------------------------------|------------|--------|
| probable transcription regulator | pir:T34578 | T34578 |
|----------------------------------|------------|--------|

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 29479676_c2_461 | 2748 | 7970 | 106 | 321 | 202 | 3.5e-16 |

Protein name

Locus Name

Acc#

sp:DBH_BACST

Description

DNA-BINDING PROTEIN II (HB) (HU)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 29775466_c1_427 | 2749 | 7971 | 126 | 381 | 103 | 1.1e-05 |

Protein name

Locus Name

Acc#

hypothetical protein APE0626

pir:D72649

D72649

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 30345437_c1_420 | 2750 | 7972 | 419 | 1260 | 589 | 3.4e-57 |

Protein name

Locus Name

Acc#

hypothetical protein

gp:PGI237898

AJ237898

Description

Porphyromonas gingivalis olpA and rbfA genes and ORF3 (partial), strain ATCC33277.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 30563152_c3_574 | 2751 | 7973 | 64 | 195 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 30681581_F3_311 | 2752 | 7974 | 104 | 315 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 3134627...c1...419 | 2753 | 7975 | 486 | 1461 | 1062 | 2.5e-107 |

Protein name Locus Name Acc#

sp:KPYK_BORBU 051323

Description

PYRUVATE KINASE, (PK)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 3156300...f2...172 | 2754 | 7976 | 403 | 1212 | 100 | 0.016 |

Protein name Locus Name Acc#

hypothetical protein DKFZp566D1824.1 pir:T14767 T14767

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 31676317...f1...122 | 2755 | 7977 | 194 | 585 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 31750058_f2_128 | 2756 | 7978 | 76 | 231 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 3176437_f2_170 | 2757 | 7979 | 514 | 1545 | 1367 | 1.2e-139 |

Protein name Locus Name Acc#

hypothetical protein slr0904 pir:S75721 S75721

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 32064193_c1_387 | 2758 | 7980 | 404 | 1215 | 1403 | 1.9e-143 |

Protein name Locus Name Acc#

UDP-ManNAc dehydrogenase gp:AF125164 AF125164

Description

Bacteroides fragilis 638R polysaccharide B (PS B2) biosynthesis locus, complete sequence; and unknown genes.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 3234530_f2_127 | 2759 | 7981 | 379 | 1140 | 150 | 1.1e-07 |

Protein name Locus Name Acc#

hypothetical protein pir:G75375 G75375

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 33390680_f1_84 | 2760 | 7982 | 222 | 669 | 101 | 0.047 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| otoferlin | | | gp:AF107403 | | AF107403 | |
| <u>Description</u> | | | | | | |
| Homo sapiens otoferlin (OTOF) mRNA, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------------|-------------|
| 33792160_f2_138 | 2761 | 7983 | 87 | 264 | 82 | 0.020 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | gp:PFMAL3P7 | | | |
| <u>Description</u> | | | | | | |
| Plasmodium falciparum MAL3P7, complete sequence. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|-------------------|-----------|-------------|-------------|
| 34081405_c1_376 | 2762 | 7984 | 88 | 267 | 110 | 1.9e-06 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein PHS004 | | | pir:F71245 | | F71245 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 34094141_f2_248 | 2763 | 7985 | 229 | 690 | 156 | 2.6e-11 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| clindamycin resistance transfer factor btgA | | | pir:A41656 | | A41656 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------|-----------|--------|-------------|
| 34172157_c3_543 | 2764 | 7986 | 110 | 333 | 80 | 0.022 |
| Protein name | | | Locus Name | | Acc# | |
| transposase | | | gp:EFENTIJO | | Y16413 | |
| Description | | | | | | |
| Enterococcus faecium entI and entJ genes and two open readingframes. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|--------|-------------|
| 34176550_c3_549 | 2765 | 7987 | 346 | 1041 | 201 | 1.7e-13 |
| Protein name | | | Locus Name | | Acc# | |
| integrase IntN1 | | | gp:BUU51917 | | U51917 | |
| Description | | | | | | |
| Bacteroides uniformis insertion element NBU1 fragment, integraseIntN1 gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------|-----------|--------|-------------|
| 34198800...f1...107..... | 2766 | 7988 | 60 | 183 | 58 | 0.024 |
| Protein name | | | Locus Name | | Acc# | |
| immunoglobulin heavy chain variable region | | | gp:BTU49783 | | U49783 | |
| Description | | | | | | |
| Bos taurus immunoglobulin rearranged heavy chain variable regionmRNA, partial cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------|------|------|------------|-----------|-------|-------------|
| 34259628...c1...398..... | 2767 | 7989 | 104 | 315 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 35172150_f2_152 | 2768 | 7990 | 71 | 216 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 35839375_c1_351 | 2769 | 7991 | 370 | 1113 | 1470 | 1.5e-150 |

Protein name Locus Name Acc#

hypothetical protein pir:JQ1020 JQ1020

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 36072640_c3_588 | 2770 | 7992 | 111 | 336 | 99 | 2.8e-05 |

Protein name Locus Name Acc#

hypothetical protein PH0994 pir:E71091 E71091

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 3912762_f2_245 | 2771 | 7993 | 74 | 225 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 3914093_f2_228 | 2772 | 7994 | 68 | 207 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-----------|-------------------|-------|-------------|
| 4032890_c1_429 | 2773 | 7995 | 537 | 1614 | 441 | 3.2e-40 |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| sensory transduction histidine kinase slr2098:protein slr2098:protein slr2098 | | | | pir:S75130 | | S75130 |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-------------------|-------|-------------|
| 4067837_f1_123 | 2774 | 7996 | 146 | 441 | | |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|-----------|-------------------|-------|-------------|
| 4095080_c1_401 | 2775 | 7997 | 692 | 2079 | 620 | 5.1e-92 |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| | | | | sp:Y590_METJA | | Q58010 |
| <u>Description</u> | | | | | | |
| HYPOTHETICAL PROTEIN MJ0590 | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------------------|------|------|-----------|-------------------|-------|-------------|
| 4117188_c2_463 | 2776 | 7998 | 282 | 849 | 455 | 3.3e-58 |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| helicase | | | | gp:RNDNAB | | Y13813 |
| <u>Description</u> | | | | | | |
| Rhodothermus marinus dnaB gene. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4117336_f1_90 | 2777 | 7999 | 260 | 783 | 368 | 8.9e-34 |

| Protein name | Locus Name | Acc# |
|------------------------------|------------|--------|
| hypothetical protein jhp0094 | pir:E71975 | E71975 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4157880_c1_388 | 2778 | 8000 | 380 | 1143 | 1207 | 1.1e-122 |

| Protein name | Locus Name | Acc# |
|--|--------------|----------|
| putative UDP-N-acetylglucosamine 2-epimerase | gp:ALW243431 | AJ243431 |

Description

Acinetobacter lwoffii wzc, wzb, wza, weeA, weeB, weeC, wzx, wzy, weeD, weeE, weeF, weeG, weeH, weeI, weeJ, weeK, galU, ugd, pgi, galE, pgm (partial) and mip (partial) genes (emulsan biosynthetic gene cluster), strain RAG-1.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4320288_c2_473 | 2779 | 8001 | 1014 | 3045 | 712 | 3.0e-68 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|------|
| | sp:Y895_HAEIN | |

Description

HYPOTHETICAL PROTEIN HI0895

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4411636_c1_361 | 2780 | 8002 | 122 | 369 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------------|------|------|------------|-----------|----------|-------------|
| 4491411_f2_133 | 2781 | 8003 | 213 | 642 | 121 | 5.4e-05 |
| Protein name | | | Locus Name | | Acc# | |
| putative large secreted protein | | | gp:SCF12 | | AL117669 | |
| Description | | | | | | |
| Streptomyces coelicolor cosmid F12. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 4494028_f3_299 | 2782 | 8004 | 396 | 1191 | 222 | 1.1e-16 |
| Protein name | | | Locus Name | | Acc# | |
| capsular polysaccharide biosynthesis protein | | | pir:F70441 | | F70441 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|------------|-----------|-------|-------------|
| 4569683_f1_76 | 2783 | 8005 | 165 | 498 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 4580050_c1_399 | 2784 | 8006 | 401 | 1206 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4694410_f3_343 | 2785 | 8007 | 85 | 258 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4801588_f3_300 | 2786 | 8008 | 339 | 1020 | 96 | 0.0092 |

Protein name

Locus Name

Acc#

hypothetical protein F13H8.1

pir:T16066

T16066

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4860650_f1_14 | 2787 | 8009 | 95 | 288 | 75 | 0.0099 |

Protein name

Locus Name

Acc#

ct602 hypothetical protein

pir:F72036

F72036

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4881301_c1_363 | 2788 | 8010 | 306 | 921 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4884681_c1_365 | 2789 | 8011 | 99 | 300 | 113 | 9.3e-07 |

Protein name

Locus Name

Acc#

protein gp57

pir:T13144

T13144

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------|------|------|------------|-----------|--------|-------------|
| 4886652_f3_280 | 2790 | 8012 | 574 | 1725 | 84 | 0.045 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein PFB0765w | | | pir:E71606 | | E71606 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------|-----------|----------|-------------|
| 4898437_f2_167 | 2791 | 8013 | 320 | 963 | 580 | 3.0e-56 |
| Protein name | | | Locus Name | | Acc# | |
| tyrosine recombinase XerD | | | gp:AF093548 | | AF093548 | |
| Description | | | | | | |
| Staphylococcus aureus tyrosine recombinase XerD (xerD) gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|--------|-------------|
| 4945451_f2_205 | 2792 | 8014 | 417 | 1254 | 214 | 7.8e-15 |
| Protein name | | | Locus Name | | Acc# | |
| probable mannosyltransferase | | | pir:C75423 | | C75423 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|--------|-------------|
| 4960907_f2_229 | 2793 | 8015 | 174 | 525 | 206 | 1.3e-16 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein APE1457 | | | pir:A72625 | | A72625 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|------------|-----------|--------|-------------|
| 506502_f2_145 | 2794 | 8016 | 203 | 612 | 522 | 4.3e-50 |
| Protein name | | | Locus Name | | Acc# | |
| epoxidase | | | pir:F69187 | | F69187 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 5093790_c3_571 | 2795 | 8017 | 89 | 270 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 5110212_c1_364 | 2796 | 8018 | 338 | 1017 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 5116680_f2_146 | 2797 | 8019 | 560 | 1683 | 1827 | 2.2e-188 |

Protein name _____ Locus Name _____ Acc# _____

probable acid--CoA ligase, MTH657 pir:D69187 D69187

Description _____

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 5273337_f1_24 | 2798 | 8020 | 83 | 252 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 5275263_c3_567 | 2799 | 8021 | 348 | 1047 | 226 | 5.0e-17 |

Protein name _____ Locus Name _____ Acc# _____

cation efflux system (czcB-like) pir:C70415 C70415

Description _____

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|------------|-----------|--------|-------------|
| 5332506_f2_221 | 2800 | 8022 | 95 | 288 | 73 | 0.034 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein PH0220 | | | pir:B71245 | | B71245 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|------------|-----------|-------|-------------|
| 589038_f3_325 | 2801 | 8023 | 96 | 291 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|------------|-----------|--------|-------------|
| 6095461_c1_418 | 2802 | 8024 | 143 | 432 | 379 | 6.1e-35 |
| Protein name | | | Locus Name | | Acc# | |
| 3-dehydroquinate dehydratase,:carbonic 3-dehydroquinase:protein sll1112:carbonic 3-dehydroquinase:protein sll1112 | | | pir:S77551 | | S77551 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|--------------|-----------|----------|-------------|
| 6407762_c2_510 | 2803 | 8025 | 117 | 354 | 358 | 1.0e-32 |
| Protein name | | | Locus Name | | Acc# | |
| RBFA, putative | | | gp:PGI237898 | | AJ237898 | |
| Description | | | | | | |

Porphyromonas gingivalis olpA and rbfA genes and ORF3 (partial), strain ATCC33277.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------|------|------|-----------|-----------|-------|-------------|
| 6586_f2_129 | 2804 | 8026 | 587 | 1764 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 6829052_f3_298 | 2805 | 8027 | 458 | 1377 | 542 | 3.2e-52 |

Protein name

Locus Name

Acc#

O-antigen repeat unit transporter Wzx

gp:AF172324

AF172324

Description

Escherichia coli GalF (galF) gene, partial cds; O-antigen repeatunit transporter Wzx (wzx), WbnA (wbnA), O-antigen polymerase Wzy (wzy), WbnB (wbnB), WbnC (wbnC), WbnD (wbnD), WbnE (wbnE), UDP-Glc-4-epimerase Gale (gale), 6-phosphogluconate dehydrogenase Gnd (gnd), UDP-Glc-6-dehydrogenase Ugd (ugd), and WbnF (wbnF) genes, complete cds; and chain length determinant

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 7142501_f3_304 | 2806 | 8028 | 439 | 1320 | 344 | 3.1e-31 |

Protein name

Locus Name

Acc#

hypothetical protein RP336

pir:B71690

B71690

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 791436_c3_612 | 2807 | 8029 | 220 | 663 | 363 | 3.0e-33 |

Protein name

Locus Name

Acc#

O-methyltransferase

pir:B70431

B70431

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 797311_f2_234 | 2808 | 8030 | 83 | 252 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 838915_f2_188..... | 2809 | 8031 | 101 | 306 | 112 | 1.2e-06 |

Protein name Locus Name Acc#

hypothetical protein PH1791 pir:G71189 G71189

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 8501_c1_422..... | 2810 | 8032 | 329 | 990 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 9765652_f3_330..... | 2811 | 8033 | 90 | 273 | 77 | 0.014 |

Protein name Locus Name Acc#

yhcV homolog 2:inosine-monophosphate dehydrogenase (guaB-2) homolog (misnomer) pir:F69514 F69514

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-----------|-------------|-------|-------------|
| 976577_f2_150 | 2812 | 8034 | 832 | 2499 | 104 | 6.1e-05 |
| Protein name | | | | Locus Name | | Acc# |
| hypothetical protein | | | | gp:SSU18930 | | Y18930 |
| Description | | | | | | |
| Sulfolobus solfataricus 281 kb genomic DNA fragment, strain P2. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------|------|------|-----------|---------------|-------|-------------|
| 993811_f3_310 | 2813 | 8035 | 162 | 489 | 282 | 1.2e-24 |
| Protein name | | | | Locus Name | | Acc# |
| | | | | sp:ASNC_ECOLI | | P03809 |
| Description | | | | | | |
| REGULATORY PROTEIN ASNC | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------------|------|------|-----------|------------|-------|-------------|
| 9959637_c3_595..... | 2814 | 8036 | 417 | 1254 | 101 | 0.0013 |
| Protein name | | | | Locus Name | | Acc# |
| thiol:disulfide interchange protein | | | | pir:C70314 | | C70314 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-----------|-------------|-------|-------------|
| 10191317_f1_20..... | 2815 | 8037 | 128 | 387 | 93 | 2.1e-06 |
| Protein name | | | | Locus Name | | Acc# |
| hypothetical protein Jv0534 | | | | gp:AF121009 | | AF121009 |
| Description | | | | | | |
| Mycobacterium tuberculosis H37Rv hypothetical protein Jv0534(Jv0534) mRNA, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-----------|-------------------|-------|-------------|
| 14566582_c1_74 | 2816 | 8038 | 635 | 1908 | 473 | 1.2e-43 |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| sensory transduction histidine kinase slr2098:protein slr2098:protein slr2098 | | | | pir:S75130 | | S75130 |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-------------------|-------|-------------|
| 14574068_c1_99 | 2817 | 8039 | 78 | 234 | | |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-----------|-------------------|-------|-------------|
| 14629712_f2_34 | 2818 | 8040 | 1066 | 3201 | 469 | 7.1e-80 |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| 115K outer membrane protein precursor:SusC protein | | | | pir:JC6027 | | JC6027 |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-------------------|-------|-------------|
| 14944534_c3_164 | 2819 | 8041 | 68 | 207 | | |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------------|------|------|------------|-----------|--------|-------------|
| 16132962_c3_126 | 2820 | 8042 | 206 | 621 | 239 | 2.4e-19 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein RP329 | | | pir:C71689 | | C71689 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|------------|-----------|-------|-------------|
| 1953877_f1_26 | 2821 | 8043 | 66 | 201 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 19578827_f2_33 | 2822 | 8044 | 282 | 849 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------|------|------|------------|-----------|-------|-------------|
| 20437662_f3_54 | 2823 | 8045 | 309 | 930 | 151 | 2.2e-08 |
| Protein name | | | Locus Name | | Acc# | |
| regulatory protein hpaA | | | pir:A55349 | | | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------------------------|------|------|------------|-----------|--------|-------------|
| 22348262_c2_124 | 2824 | 8046 | 754 | 2265 | 510 | 4.6e-46 |
| Protein name | | | Locus Name | | Acc# | |
| cation efflux (AcrB/AcrD/AcrF family) | | | pir:F70368 | | F70368 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 22365790_f1_8 | 2825 | 8047 | 76 | 231 | 83 | 0.012 |

| Protein name | Locus Name | Acc# |
|--------------|-------------|----------|
| unknown | gp:AF007157 | AF007157 |

Description

Homo sapiens clone 23856 unknown mRNA, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23546890_c2_120 | 2826 | 8048 | 253 | 762 | 275 | 6.3e-24 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|------|
| | sp:YEHT_ECOLI | |

Description

HYPOTHETICAL 27.9 KD PROTEIN IN MOLR-BGLX INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 23572188_f2_39..... | 2827 | 8049 | 568 | 1707 | 392 | 4.1e-50 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:ACDB_BACSU | P45857 |

Description

ACYL-COA DEHYDROGENASE,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24250285_c3_151..... | 2828 | 8050 | 81 | 246 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24407552_c2_102 | 2829 | 8051 | 317 | 954 | 357 | 1.2e-55 |

Protein name

Locus Name

Acc#

sp:DNAJ_THETH

Description

DNAJ PROTEIN

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24495463_f2_38 | 2830 | 8052 | 344 | 1035 | 710 | 5.1e-70 |

Protein name

Locus Name

Acc#

sp:FIXB_CLOAB

P53578

Description

FIXB PROTEIN

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24644011_f2_36 | 2831 | 8053 | 628 | 1887 | 441 | 1.6e-41 |

Protein name

Locus Name

Acc#

gp:ATAC005851

AC005851

Description

Arabidopsis thaliana chromosome II BAC F24D13 genomic sequence, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 2845068_f3_56 | 2832 | 8054 | 70 | 213 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 29476553_f1_6 | 2833 | 8055 | 62 | 189 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 29851437_f2_29 | 2834 | 8056 | 435 | 1308 | 101 | 1.1e-07 |

Protein name Locus Name Acc#

cysteine proteinase CP1 pir:S67481 S67481

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 3324133_c1_92 | 2835 | 8057 | 62 | 189 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 33619587_c1_96 | 2836 | 8058 | 250 | 753 | 132 | 1.6e-09 |

Protein name Locus Name Acc#

conserved hypothetical protein pir:B75483 B75483

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 3395627_f2_37 | 2837 | 8059 | 323 | 972 | 446 | 3.9e-47 |

Protein name Locus Name Acc#

sp:ETFB_CLOAB P52040

Description

TRANSFER FLAVOPROTEIN SMALL SUBUNIT) (ETFSS)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|---------------|-------|-------------|
| 34172130_f3_65 | 2838 | 8060 | 1348 | 4047 | 1255 | 1.3e-170 |
| Protein name | | | | Locus Name | | Acc# |
| | | | | sp:BGAL_BACME | | 052847 |

Description

BETA-GALACTOSIDASE, (LACTASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|------------|-------|-------------|
| 35556713_c2_100 | 2839 | 8061 | 77 | 234 | | |
| Protein name | | | | Locus Name | | Acc# |
| | | | | | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|---------------|-------|-------------|
| 36226538_c3_155..... | 2840 | 8062 | 406 | 1221 | 247 | 2.8e-18 |
| Protein name | | | | Locus Name | | Acc# |
| | | | | sp:YEHU_ECOLI | | |

Description

HYPOTHETICAL 62.1 KD PROTEIN IN MOLR-BGLX INTERGENIC REGION PRECURSOR

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|------------|-------|-------------|
| 4020962_c2_103..... | 2841 | 8063 | 106 | 321 | 90 | 0.00026 |
| Protein name | | | | Locus Name | | Acc# |
| | | | | | | |

transcription regulator MerR family

pir:D70361

D70361

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4475281_f1_14 | 2842 | 8064 | 587 | 1764 | 187 | 3.4e-11 |

Protein name

Locus Name

Acc#

unknown

gp:U96771

U96771

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 6694586_c3_139 | 2843 | 8065 | 62 | 189 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 15633577_f2_1 | 2844 | 8066 | 66 | 201 | 103 | 0.00016 |

Protein name

Locus Name

Acc#

penicillin-binding protein 2

gp:AF147448

AF147448

Description

Pseudomonas aeruginosa strain PA01 penicillin-binding protein 2 (pbpA), rod-shape-determining protein (rodA), membrane-bound lytic transglycosylase (mltB), rare lipoprotein A (rlpA), penicillin-binding protein 5 (dacA), and lipote biosynthesis protein B (lipB) genes, complete cds; and unknown gene.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 26595675_f3_5 | 2845 | 8067 | 437 | 1314 | 187 | 2.3e-26 |

Protein name

Locus Name

Acc#

sp:RODA_HAEIN

P44468

Description

ROD SHAPE-DETERMINING PROTEIN RODA

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 14865875_f3_5 | 2846 | 8068 | 346 | 1041 | 784 | 7.3e-78 |

Protein name

Locus Name

Acc#

sp:FE0B_METJA

Q57986

Description

FERROUS IRON TRANSPORT PROTEIN B HOMOLOG

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 36382950_f2_3 | 2847 | 8069 | 94 | 285 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 10734635_f2_10 | 2848 | 8070 | 830 | 2493 | 135 | 1.0e-05 |

Protein name

Locus Name

Acc#

unknown

gp:AF124349

AF124349

Description

Zymomonas mobilis ZM4 fosmid clone 41A4, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 10740952_f1_3 | 2849 | 8071 | 247 | 744 | 121 | 2.1e-05 |

Protein name

Locus Name

Acc#

sp:PAIB_RAT

035264

Description

ACTIVATING FACTOR ACETYLHYDROLASE ALPHA 2 SUBUNIT) (PAF-AH ALPHA 2)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 24694837_f1_2 | 2850 | 8072 | 189 | 570 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34252176_f3_33 | 2851 | 8073 | 559 | 1680 | 567 | 9.4e-54 |

Protein name

Locus Name

Acc#

adenylate cyclase homolog

pir:T17197

T17197

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34406517_f3_16 | 2852 | 8074 | 1008 | 3027 | 822 | 6.9e-82 |

Protein name

Locus Name

Acc#

receptor antigen (RagA)

gp:PGI130872

AJ130872

Description

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 6257826_f3_12 | 2853 | 8075 | 311 | 936 | 113 | 0.012 |

Protein name

Locus Name

Acc#

cyclic beta 1-2 glucan synthetase

pir:T31419

T31419

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 11925285_f2_7 | 2854 | 8076 | 90 | 273 | 187 | 1.3e-14 |

Protein name

Locus Name

Acc#

sp:Y328_SYNY3

Q55535

Description

(EC 3.1.3.48)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 11930451_f1_2 | 2855 | 8077 | 112 | 339 | 118 | 2.8e-07 |

Protein name

Locus Name

Acc#

sp:Y328_SYNY3

Q55535

Description

(EC 3.1.3.48)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 21875776_c1_27 | 2856 | 8078 | 67 | 204 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 237905_f2_10 | 2857 | 8079 | 63 | 192 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 24629781_f1_1 | 2858 | 8080 | 494 | 1485 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 25958125_f1_5 | 2859 | 8081 | 392 | 1179 | 643 | 4.2e-84 |

Protein name

Locus Name

Acc#

sp:SYE_BACST

P22249

Description

(GLURS)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 9765657_c2_36 | 2860 | 8082 | 704 | 2115 | 692 | 4.1e-68 |

Protein name

Locus Name

Acc#

sp:YQFF_BACSU

Description

HYPOTHETICAL 79.2 KD PROTEIN IN PHOH-DGKA INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 11756330_f1_2 | 2861 | 8083 | 107 | 324 | 142 | 7.9e-10 |

Protein name

Locus Name

Acc#

sp:YEAQ_ECOLI

P76246

Description

HYPOTHETICAL 8.7 KD PROTEIN IN GAPA-RND INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 12189053_f2_10 | 2862 | 8084 | 183 | 552 | 418 | 4.5e-39 |

| Protein name | Locus Name | Acc# |
|--------------------------|-------------|----------|
| 30S ribosomal protein S7 | gp:AF087414 | AF087414 |

Description

Haemophilus ducreyi OapA (oapA), OapB (oapB), RfaF (rfaF), 30S ribosomal protein S12, and 30S ribosomal protein S7 genes, complete cds; and elongation factor G gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 192812_c1_28 | 2863 | 8085 | 161 | 486 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------|------|------|-----------|-----------|-------|-------------|
| 2238400...c3...63..... | 2864 | 8086 | 147 | 444 | 147 | 1.9e-09 |

| Protein name | Locus Name | Acc# |
|------------------------------|-------------|----------|
| hypothetical protein Jv0166c | gp:AF121004 | AF121004 |

Description

Mycobacterium tuberculosis H37Rv hypothetical protein Jv0166c(Jv0166c) mRNA, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 22394692_c1_23..... | 2865 | 8087 | 167 | 504 | 245 | 7.0e-20 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:YHA2_EIKCO | P35649 |

Description

HYPOTHETICAL 66.3 KD PROTEIN IN HAG2 5' REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 22460877_f2_9 | 2866 | 8088 | 139 | 420 | 517 | 1.4e-49 |

Protein name

Locus Name

Acc#

sp:RS12_ANANI

P18662

Description

30S RIBOSOMAL PROTEIN S12

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24275036_c3_56 | 2867 | 8089 | 90 | 273 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 24804717_f1_4 | 2868 | 8090 | 709 | 2130 | 2946 | 0.0 |

Protein name

Locus Name

Acc#

EF-G

gp:AB035469

AB035469

Description

Porphyromonas gingivalis gene for EF-G, complete cds, strain:SUNY1021.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 2945300_f1_5 | 2869 | 8091 | 105 | 318 | 326 | 2.5e-29 |

Protein name

Locus Name

Acc#

ribosomal protein S10

gp:AF115283

AF115283

Description

Leptospira interrogans S10-spc-alpha locus, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 34275250_f3_16 | 2870 | 8092 | 87 | 264 | 73 | 0.022 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| D-29 protein | | | gp:GHLEA29 | | X13203 | |
| <u>Description</u> | | | | | | |
| Cotton set 5A Lea gene for seed protein D-29. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------------|------|------|-------------------|-----------|-------------|-------------|
| 4064027_c1_29 | 2871 | 8093 | 382 | 1149 | 128 | 1.0e-10 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein RP338 | | | pir:D71690 | | D71690 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------------|-------------|
| 4562800_f2_7 | 2872 | 8094 | 1437 | 4314 | 4541 | 0.0 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | sp:RPOC_PORCN | | O33431 | |
| <u>Description</u> | | | | | | |
| BETA' CHAIN) (RNA POLYMERASE BETA' SUBUNIT) (FRAGMENT) | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-------------------|-----------|-------------|-------------|
| 4773262_f1_3 | 2873 | 8095 | 110 | 333 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | | | | |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 4881260_f1_6 | 2874 | 8096 | 125 | 378 | 293 | 7.9e-26 |

Protein name

Locus Name

Acc#

sp:RL3_THETH

P52860

Description

50S RIBOSOMAL PROTEIN L3

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 501401_c1_21 | 2875 | 8097 | 64 | 195 | 109 | 3.2e-05 |

Protein name

Locus Name

Acc#

sp:YHA2_EIKCO

P35649

Description

HYPOTHETICAL 66.3 KD PROTEIN IN HAG2 5'REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 666025_f3_12 | 2876 | 8098 | 276 | 831 | 892 | 2.6e-89 |

Protein name

Locus Name

Acc#

DNA-dependent RNA polymerase subunit beta

gp:LMY16468

Y16468

Description

Listeria monocytogenes unidentified gene and partial rpoB gene.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 985967_c1_22 | 2877 | 8099 | 142 | 429 | 245 | 7.0e-20 |

Protein name

Locus Name

Acc#

sp:YHA2_EIKCO

P35649

Description

HYPOTHETICAL 66.3 KD PROTEIN IN HAG2 5'REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|------------|-----------|--------|-------------|
| 11027152_c1_174 | 2878 | 8100 | 95 | 288 | 102 | 1.4e-05 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein PH0133 | | | pir:C71234 | | C71234 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|---------------|-----------|--------|-------------|
| 11803111_f2_79 | 2879 | 8101 | 132 | 399 | 95 | 7.5e-05 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:YGJM_ECOLI | | P42594 | |
| Description | | | | | | |
| HYPOTHETICAL 15.0 KD PROTEIN IN EBGC-UXAA INTERGENIC REGION | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------|------|------|---------------|-----------|--------|-------------|
| 12376457_c3_246 | 2880 | 8102 | 495 | 1488 | 1521 | 5.8e-156 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:IMDH_AQUAE | | 067820 | |
| Description | | | | | | |
| DEHYDROGENASE) (IMPDH) (IMPD) | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|------------|-----------|-------|-------------|
| 136412_c3_263 | 2881 | 8103 | 788 | 2367 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|--------|-------------|
| 13757180_F3_171 | 2882 | 8104 | 60 | 183 | 70 | 0.033 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein APE1598 | | | pir:A72539 | | A72539 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 13798132_F2_69 | 2883 | 8105 | 68 | 207 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 14890637_c1_200 | 2884 | 8106 | 87 | 264 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 14890637_c1_202 | 2885 | 8107 | 89 | 270 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 15117081_c1_182 | 2886 | 8108 | 259 | 780 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 16445385_c3_248 | 2887 | 8109 | 102 | 309 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 16617812_c1_172 | 2888 | 8110 | 195 | 588 | 127 | 3.1e-08 |

Protein name Locus Name Acc#

hypothetical protein aq_1103 pir:A70395 A70395

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 16832885_c1_194 | 2889 | 8111 | 431 | 1296 | 1723 | 2.3e-177 |

Protein name Locus Name Acc#

hypothetical protein pir:JQ1020 JQ1020

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 16835962_c2_206 | 2890 | 8112 | 63 | 192 | 162 | 6.0e-12 |

Protein name Locus Name Acc#

sp:RL32_BACST P07840

Description

50S RIBOSOMAL PROTEIN L32 (RIBOSOMAL PROTEIN I) (BL37)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 16839002_c1_181 | 2891 | 8113 | 728 | 2187 | 1183 | 3.8e-120 |

Protein name Locus Name Acc#

DNA helicase RecQ pir:G75413 G75413

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 19537662_c3_251 | 2892 | 8114 | 398 | 1197 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 19725256_c1_192 | 2893 | 8115 | 424 | 1275 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 20007287_c3_234 | 2894 | 8116 | 312 | 939 | 677 | 1.6e-66 |

Protein name

Locus Name

Acc#

sp:ERA_BACSU

P42182

Description

GTP-BINDING PROTEIN ERA HOMOLOG (BEX PROTEIN)

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 20527135_c1_199 | 2895 | 8117 | 423 | 1272 | 273 | 3.1e-22 |

Protein name

Locus Name

Acc#

probable lipopolysaccharide
N-acetylglucosaminyltransferase, rfbU

pir:F64500

F64500

Description

DescriptionDescriptionDescription

Description

785

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 22833311_c3_258 | 2900 | 8122 | 214 | 645 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 22860128_c2_225 | 2901 | 8123 | 83 | 252 | 64 | 0.031 |

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 23448251_f1_37 | 2902 | 8124 | 571 | 1716 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23626500_c2_211 | 2903 | 8125 | 75 | 228 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24252127_c3_255 | 2904 | 8126 | 458 | 1377 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24407802_c1_198..... | 2905 | 8127 | 264 | 795 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24500762_c2_228..... | 2906 | 8128 | 203 | 612 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24509632_c1_173..... | 2907 | 8129 | 438 | 1317 | 978 | 2.0e-98 |

Protein name

Locus Name

Acc#

sp:YPHC_BACSU

P50743

Description

REGION

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24642262_c3_247 | 2908 | 8130 | 519 | 1560 | 133 | 8.0e-06 |

Protein name

Locus Name

Acc#

sp:PRSA_BACSU

P24327

Description

PROTEIN EXPORT PROTEIN PRSA PRECURSOR

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24651442_c1_197 | 2909 | 8131 | 627 | 1884 | 121 | 0.00098 |

Protein name

Locus Name

Acc#

MAR binding filament-like protein 1:MFPI protein

pir:T07111

T07111

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 25391905_c1_184 | 2910 | 8132 | 571 | 1716 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 25781265_c3_256 | 2911 | 8133 | 107 | 324 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 25907687_f1_26 | 2912 | 8134 | 69 | 210 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 26289002_c3_233 | 2913 | 8135 | 339 | 1020 | 698 | 9.5e-69 |

Protein name

Locus Name

Acc#

synthase III

pir:F70394

F70394

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 265955_f1_52 | 2914 | 8136 | 130 | 393 | 221 | 3.3e-18 |

Protein name

Locus Name

Acc#

RNA-binding protein

gp:SYORBPA

L48548

Description

Synechococcus sp. PCC 7942 RNA-binding protein (rbpA) gene, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 27137_c2_226 | 2915 | 8137 | 62 | 189 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-------------------|-------|-------------|
| 30120936_c3_240 | 2916 | 8138 | 257 | 774 | 933 | 1.2e-93 |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| | | | | gp:PGPUT | | X97228 |

Description

P.gingivalis gpdxJ, put, and yhbG-pg genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-----------|-------------------|-------|-------------|
| 31447126_c1_203 | 2917 | 8139 | 224 | 675 | 290 | 1.9e-25 |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| CMP-N-acetylneuraminic acid synthetase | | | | gp:MMU6215 | | AJ006215 |

Description

Mus musculus mRNA for CMP-N-acetylneuraminic acid synthetase.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-------------------|-------|-------------|
| 33640927_c1_177 | 2918 | 8140 | 455 | 1368 | 205 | 1.8e-13 |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| trigger factor | | | | pir:C70416 | | C70416 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|-----------|-------------------|-------|-------------|
| 34081405_c3_231 | 2919 | 8141 | 88 | 267 | 110 | 1.9e-06 |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| hypothetical protein PHS004 | | | | pir:F71245 | | F71245 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 34165705_f2_114 | 2920 | 8142 | 80 | 243 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 34406640_f3_134 | 2921 | 8143 | 96 | 291 | 127 | 3.1e-08 |

Protein name

Locus Name

Acc#

sp:YGJN_ECOLI

P42595

Description

HYPOTHETICAL 12.1 KD PROTEIN IN EBGC-UXAA INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 35343757_f2_104 | 2922 | 8144 | 260 | 783 | 453 | 8.7e-43 |

Protein name

Locus Name

Acc#

probable ribonucleotide transport ATP-binding protein mkl (mkl) RP097

pir:H71718

H71718

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 35661528_f1_47 | 2923 | 8145 | 84 | 255 | 119 | 2.7e-07 |

Protein name

Locus Name

Acc#

hypothetical protein

gp:BSZ75208

Z75208

Description

B.subtilis genomic sequence 89009bp.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 3929055_c3_260 | 2924 | 8146 | 410 | 1233 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4073567_c2_229..... | 2925 | 8147 | 403 | 1212 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4100002_c1_201..... | 2926 | 8148 | 83 | 252 | 72 | 0.020 |

Protein name

Locus Name

Acc#

sp:MT13_MYTED

P80248

Description

METALLOTHIONEIN 10-III (MT-10-III)

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4178555_c1_193..... | 2927 | 8149 | 167 | 504 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 42700_c1_195 | 2928 | 8150 | 268 | 807 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4490938_c2_215 | 2929 | 8151 | 418 | 1257 | 1153 | 5.8e-117 |

Protein name

Locus Name

Acc#

ClpX protein

gp:BSCLPXGEN

X95306

Description

B.subtilis clpX gene.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 48776_c3_242 | 2930 | 8152 | 246 | 741 | 585 | 9.0e-57 |

Protein name

Locus Name

Acc#

ATP-dependent protease proteolytic subunit ClpP

gp:AF127082

AF127082

Description

Myxococcus xanthus ATP-dependent protease proteolytic subunit ClpP (clpP), ATP-dependent protease ATPase subunit ClpX (clpX), prolylendopeptidase precursor Pep (pep), ATP-dependent protease LonV (lonV), oligopeptide permease homolog OppA (oppA), oligopeptidepermease homolog OppB (oppB), and oligopeptide permease homolog OppC (oppC) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4882801_c2_227 | 2931 | 8153 | 139 | 420 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|---------------|-----------|-------|-------------|
| 4957677_c1_183 | 2932 | 8154 | 459 | 1380 | 252 | 5.2e-19 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:SURA_ECOLI | | | |

Description

SURA), (PPIASE) (ROTAMASE C)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------------------------|------|------|------------|-----------|--------|-------------|
| 6695412_f3_159 | 2933 | 8155 | 323 | 972 | 333 | 4.5e-30 |
| Protein name | | | Locus Name | | Acc# | |
| conserved hypothetical protein aq_355 | | | pir:E70331 | | E70331 | |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|---------------|-----------|--------|-------------|
| 6757757_c3_249..... | 2934 | 8156 | 634 | 1905 | 838 | 1.4e-83 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:MUTL_BACSU | | P49850 | |

Description

DNA MISMATCH REPAIR PROTEIN MUTL

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|------------|-----------|--------|-------------|
| 781290_c3_236..... | 2935 | 8157 | 236 | 711 | 268 | 3.5e-23 |
| Protein name | | | Locus Name | | Acc# | |
| vsrD protein | | | pir:I40540 | | I40540 | |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 818785_c3_262 | 2936 | 8158 | 410 | 1233 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 130278_c3_244 | 2937 | 8159 | 539 | 1620 | 1138 | 2.3e-115 |

Protein name

Locus Name

Acc#

phosphoribosylaminoimidazolecarboxamide
formyltransferase

pir:C70468

C70468

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 13688436_c1_177 | 2938 | 8160 | 127 | 384 | 171 | 6.7e-13 |

Protein name

Locus Name

Acc#

YHCF

gp:AB024564

AB024564

Description

Bacillus halodurans gene for TNPA, ERMK, YCBJ, YHCG, YHCF and YHCE, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14570812_c1_175 | 2939 | 8161 | 220 | 663 | 94 | 0.0032 |

Protein name

Locus Name

Acc#

sp:EXB1_XANCP

034259

Description

BIOPOLYMER TRANSPORT EXBD1 PROTEIN

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 15714000_f2_81 | 2940 | 8162 | 473 | 1422 | 895 | 1.3e-89 |

Protein name

Locus Name

Acc#

gp:BNRRTEAB

Description

Bacteroides thetaiotaomicron rteA and rtaB genes involved in production of plasmid-like forms, complete cds, and tetQ gene, 3'end.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 16832885_f1_22 | 2941 | 8163 | 431 | 1296 | 1723 | 2.3e-177 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 17079008_c1_179 | 2942 | 8164 | 288 | 867 | 162 | 3.5e-10 |

Protein name

Locus Name

Acc#

unknown

gp:AF062647

AF062647

Description

Butyrivibrio fibrisolvens butyrivibriocin OR79 (bvi79) gene, complete cds; and unknown genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 19570256_c1_180 | 2943 | 8165 | 513 | 1542 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 195812_c1_178 | 2944 | 8166 | 269 | 810 | 75 | 0.048 |

Protein name

Locus Name

Acc#

gp:YSCMTRF21

Description

Yeast (S.uvarum) mitochondria RF2 gene, segment 1.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 22860128_f2_77 | 2945 | 8167 | 83 | 252 | 64 | 0.031 |

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 2350306_f3_169 | 2946 | 8168 | 100 | 303 | 105 | 6.6e-06 |

Protein name

Locus Name

Acc#

hypothetical protein PH0217

pir:G71244

G71244

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 23625127_c1_173 | 2947 | 8169 | 283 | 852 | 197 | 1.2e-15 |

Protein name

Locus Name

Acc#

TolQ protein

gp:PPPAL1

X74218

Description

Pseudomonas putida ruvB, tolQ, tolR, tolA, tolB and oprL genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23870287_f3_126 | 2948 | 8170 | 65 | 198 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 23944506_f1_45 | 2949 | 8171 | 64 | 195 | 106 | 5.1e-06 |

Protein name

Locus Name

Acc#

hypothetical protein PH0219

pir:A71245

A71245

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24015950_c2_208 | 2950 | 8172 | 792 | 2379 | 107 | 0.00022 |

Protein name

Locus Name

Acc#

outer membrane protein Omp85

gp:AF021245

AF021245

Description

Neisseria meningitidis outer membrane protein Omp85 (omp85) gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24229677_c3_238 | 2951 | 8173 | 283 | 852 | 388 | 6.7e-36 |

Protein name

Locus Name

Acc#

NorM

gp:AB010463

AB010463

Description

Vibrio parahaemolyticus gene for NorM, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------------|------|------|------------|-----------|--------|-------------|
| 24484666_c2_215 | 2952 | 8174 | 347 | 1044 | 761 | 2.0e-75 |
| Protein name | | | Locus Name | | Acc# | |
| rod shape determining protein MreB | | | pir:B70373 | | B70373 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 24487803_f2_93 | 2953 | 8175 | 70 | 213 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 24641925_c3_243 | 2954 | 8176 | 798 | 2397 | 110 | 0.033 |
| Protein name | | | Locus Name | | Acc# | |
| 115K outer membrane protein precursor:Susc protein | | | pir:JC6027 | | JC6027 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------------|------|------|------------|-----------|--------|-------------|
| 24647752_c3_225 | 2955 | 8177 | 479 | 1440 | 178 | 1.2e-10 |
| Protein name | | | Locus Name | | Acc# | |
| conserved hypothetical protein MTH83 | | | pir:F69210 | | F69210 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 25635393_c3_245 | 2956 | 8178 | 187 | 564 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 266067_f1_27 | 2957 | 8179 | 102 | 309 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 26673162_f3_152 | 2958 | 8180 | 65 | 198 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 26767842_c2_216 | 2959 | 8181 | 364 | 1092 | 442 | 1.8e-41 |

Protein name Locus Name Acc#

penicillin-binding protein 2 gp:AF147448 AF147448

Description

Pseudomonas aeruginosa strain PA01 penicillin-binding protein 2 (pbpA), rod-shape-determining protein (rodA), membrane-bound lytic transglycosylase (mltB), rare lipoprotein A (rlpA), penicillin-binding protein 5 (dacA), and lipote biosynthesis protein B (lipB) genes, complete cds; and unknown gene.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 282708_f2_107 | 2960 | 8182 | 60 | 183 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 29350402_c1_196 | 2961 | 8183 | 290 | 873 | 193 | 5.0e-14 |
| Protein name | | | Locus Name | | Acc# | |
| rod shape-determining protein (mreC) homolog | | | pir:C70189 | | C70189 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|----------|-------------|
| 30656500_c2_214 | 2962 | 8184 | 681 | 2046 | 1802 | 9.8e-186 |
| Protein name | | | Locus Name | | Acc# | |
| PepO | | | gp:AB010440 | | AB010440 | |
| Description | | | | | | |
| Porphyromonas gingivalis gene for PepO, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------------------|------|------|---------------|-----------|--------|-------------|
| 3157802_c2_204 | 2963 | 8185 | 422 | 1269 | 514 | 3.0e-49 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:Y4WA_RHISN | | P55679 | |
| Description | | | | | | |
| HYPOTHETICAL ZINC PROTEASE Y4WA, | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 31813761_f1_37 | 2964 | 8186 | 85 | 258 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 33210875_c1_182 | 2965 | 8187 | 252 | 759 | 647 | 2.4e-63 |

Protein name

Locus Name

Acc#

sp:FABG_BACSU

Description

ACYL CARRIER PROTEIN REDUCTASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 34081405_c3_220 | 2966 | 8188 | 88 | 267 | 110 | 1.9e-06 |

Protein name

Locus Name

Acc#

hypothetical protein PHS004

pir:F71245

F71245

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------|------|------|-----------|-----------|-------|-------------|
| 36.15.15.75_c3_228..... | 2967 | 8189 | 462 | 1389 | 212 | 2.5e-14 |

Protein name

Locus Name

Acc#

erythromycin esterase homolog ybfo

pir:A69750

A69750

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 393.7535_c3_236..... | 2968 | 8190 | 200 | 603 | 166 | 1.6e-11 |

Protein name

Locus Name

Acc#

NorM

gp:AB010463

AB010463

Description

Vibrio parahaemolyticus gene for NorM, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 394135_c3_231 | 2969 | 8191 | 243 | 732 | 276 | 5.0e-24 |

Protein name

Locus Name

sp:YG29_SYNY3

Acc#

P74346

Description

HYPOTHETICAL 36.0 KD PROTEIN SLR1629

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4040878_c3_239 | 2970 | 8192 | 767 | 2304 | 725 | 1.9e-75 |

Protein name

Locus Name

pir:A41860

Acc#

A41860

tetracycline resistance element regulator RteA

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4741507_c2_198 | 2971 | 8193 | 319 | 960 | 154 | 4.6e-14 |

Protein name

Locus Name

pir:C72276

Acc#

C72276

phosphate ABC transporter, periplasmic phosphate-binding protein

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4806377_c1_174 | 2972 | 8194 | 205 | 618 | 109 | 4.2e-06 |

Protein name

Locus Name

gp:AF047974

Acc#

AF047974

ExbD2

Description

Vibrio cholerae TolR (tolR), ExbB2 (exbB2), ExbD2 (exbD2), and TonB2 (tonB2) genes, complete cds; and unknown genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|---------------|-------------|
| 4877187_c3_224 | 2973 | 8195 | 274 | 825 | 153 | 8.2e-09 |
| Protein name | | | | | Locus Name | Acc# |
| | | | | | sp:TONB_HELPY | 025899 |

Description

TONB PROTEIN

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------------|-------------|
| 4880452_c2_200 | 2974 | 8196 | 300 | 903 | 512 | 4.9e-49 |
| Protein name | | | | | Locus Name | Acc# |
| ABC transporter MutF | | | | | gp:AF082183 | AF082183 |

Description

Streptococcus mutans ABC transporter MutF (mutF), membrane spanning protein MuteE (muteE), and membrane protein MutG (mutG) genes, complete cds; and fructose bi-phosphate aldolase (fba) gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|------------|-------------|
| 4954682_c1_176 | 2975 | 8197 | 275 | 828 | | |
| Protein name | | | | | Locus Name | Acc# |
| | | | | | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-----------|-----------|------------|-------------|
| 5120327_c2_199 | 2976 | 8198 | 286 | 861 | 457 | 3.3e-43 |
| Protein name | | | | | Locus Name | Acc# |
| ABC transporter, ATP-binding protein homolog | | | | | pir:D70171 | D70171 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 5132937_c2_213 | 2977 | 8199 | 653 | 1962 | 1066 | 9.6e-108 |

Protein name

ABC-type transport protein slr0864:protein
slr0864:protein slr0864

Locus Name

pir:S74849

Acc#

S74849

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 6369006_c1_181 | 2978 | 8200 | 199 | 600 | 143 | 6.2e-10 |

Protein name

Locus Name

sp:YP23_STAAU

Acc#

P23217

Description

HYPOTHETICAL TRANSCRIPTIONAL REGULATOR IN QACA 5' REGION (ORF 188)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------|------|------|-----------|-----------|-------|-------------|
| 6425_c3_222 | 2979 | 8201 | 165 | 498 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 663463_c2_207 | 2980 | 8202 | 1518 | 4557 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------|------|------|-----------|-----------|-------|-------------|
| 6966_f2_109 | 2981 | 8203 | 76 | 228 | 54 | 0.034 |

| Protein name | Locus Name | Acc# |
|--------------|-------------|--------|
| unknown | gp:MHU75508 | U75508 |

Description

Marinococcus halophilus plasmid pPL1, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 7225883_c3_235 | 2982 | 8204 | 301 | 906 | 165 | 1.3e-22 |

| Protein name | Locus Name | Acc# |
|-----------------|-------------|----------|
| CGI-124 protein | gp:AF151882 | AF151882 |

Description

Homo sapiens CGI-124 protein mRNA, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 865757_f2_103 | 2983 | 8205 | 128 | 387 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 9845313_c2_209 | 2984 | 8206 | 333 | 1002 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24644061_c2_20 | 2985 | 8207 | 256 | 771 | | |

Protein name

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 30272067_f2_6 | 2986 | 8208 | 726 | 2181 | 567 | 4.7e-56 |

Protein name

hybrid histidine kinase homolog

Description

Pseudomonas fluorescens hybrid histidine kinase homolog (styS) and response regulatory protein (styR) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 33400260_c1_15 | 2987 | 8209 | 536 | 1611 | 124 | 0.00030 |

Protein name

STARP antigen

Description

P.falciparum gene for STARP antigen.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| B300003_f2_10 | 2988 | 8210 | 73 | 222 | | |

Protein name

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 9862501_f2_9 | 2989 | 8211 | 109 | 330 | | |

Protein name

Description

Locus Name

Acc#

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 10547781_f1_4 | 2990 | 8212 | 124 | 375 | 145 | 3.8e-10 |

Protein name

Description

Locus Name

Acc#

hypothetical protein sll0939

pir:S74723

S74723

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 16832885_c3_86 | 2991 | 8213 | 431 | 1296 | 1723 | 2.3e-177 |

Protein name

Description

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 22475387_c2_82 | 2992 | 8214 | 76 | 231 | 74 | 0.013 |

Protein name

Description

Locus Name

Acc#

envelope glycoprotein

gp:AF113578

AF113578

HIV-1 isolate 302_04 group O from Spain envelope glycoprotein (env) gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------------------------|------|------|------------|-----------|--------|-------------|
| 22848261_f3_53 | 2993 | 8215 | 687 | 2064 | 110 | 1.0e-05 |
| Protein name | | | Locus Name | | Acc# | |
| conserved hypothetical protein MTH695 | | | pir:F69192 | | F69192 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 22860128_c1_54 | 2994 | 8216 | 83 | 252 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------|------|------|------------|-----------|--------|-------------|
| 23453775_f1_11 | 2995 | 8217 | 837 | 2514 | 170 | 2.7e-09 |
| Protein name | | | Locus Name | | Acc# | |
| conserved hypothetical protein | | | pir:G72385 | | G72385 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 23525938_c3_103 | 2996 | 8218 | 85 | 258 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 25816887_f2_17 | 2997 | 8219 | 148 | 447 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 26598385_c3_96 | 2998 | 8220 | 456 | 1371 | 772 | 1.4e-76 |

Protein name

Locus Name

Acc#

transcription regulator NtrC family

pir:C70396

C70396

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 30276562_f3_47..... | 2999 | 8221 | 495 | 1488 | 148 | 4.2e-07 |

Protein name

Locus Name

Acc#

immunoreactive 52kD antigen PG41

gp:AF175716

AF175716

Description

Porphyromonas gingivalis strain W50 immunoreactive 52kD antigenPG41 gene, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 31486011_c3_102..... | 3000 | 8222 | 153 | 462 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 31486011_f2_15..... | 3001 | 8223 | 74 | 225 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 33244627_f3_34 | 3002 | 8224 | 212 | 639 | 122 | 0.00016 |

Protein name

Locus Name

Acc#

hypothetical protein H02F09.3

pir:T33369

T33369

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 33382801_f3_39..... | 3003 | 8225 | 81 | 246 | 65 | 0.0051 |

Protein name

Locus Name

Acc#

sp:YF03_MYCPN

P75445

Description

HYPOTHETICAL 85.3 KD PROTEIN F10_ORF750

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 33407256_f2_26..... | 3004 | 8226 | 434 | 1305 | 172 | 4.3e-10 |

Protein name

Locus Name

Acc#

hypothetical protein aq_294

pir:H70326

H70326

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 3407187_c2_81..... | 3005 | 8227 | 429 | 1290 | 260 | 2.8e-20 |

Protein name

Locus Name

Acc#

sensor

gp:PSEFLESR

L41213

Description

Pseudomonas aeruginosa (strain PAK) putative fleR kinase (fleS) and transcriptional activator (fleR) genes, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 3937553_c1_66 | 3006 | 8228 | 417 | 1254 | 115 | 2.5e-06 |

Protein name

Locus Name

Acc#

integrase

gp:BFU75371

U75371

Description

Bacteroides fragilis transposon Tn4555 TnpA (tnpA), integrase(int), TnpC (tnpC), excisionase (xis), mobilization protein (mobA), and beta-lactamase (cfxA) genes, complete cds; and unknown genes.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4179002_c1_67 | 3007 | 8229 | 210 | 633 | 106 | 0.014 |

Protein name

Locus Name

Acc#

high-molecular-weight surface-exposed protein
HMW1

pir:A43855

A43855

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 6651552_t3_35..... | 3008 | 8230 | 125 | 378 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 10640787_t2_57..... | 3009 | 8231 | 229 | 690 | 541 | 4.1e-52 |

Protein name

Locus Name

Acc#

yhgF protein

pir:B65136

B65136

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10664125_c2_136 | 3010 | 8232 | 982 | 2949 | 578 | 1.2e-93 |

| Protein name | Locus Name | Acc# |
|---------------------------|------------|----------|
| putative secreted protein | gp:SCM11 | AL133278 |

Description

Streptomyces coelicolor cosmid M11.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10822142_c2_148 | 3011 | 8233 | 60 | 183 | 94 | 0.00081 |

| Protein name | Locus Name | Acc# |
|--------------|-------------|----------|
| transposase | gp:AF038866 | AF038866 |

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 10945937_c3_159..... | 3012 | 8234 | 104 | 315 | 137 | 2.6e-08 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:YDEG_SCHPO | Q10449 |

Description

HYPOTHETICAL 57.2 KD PROTEIN C12B10.16C IN CHROMOSOME I

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 193757_c2_135..... | 3013 | 8235 | 1054 | 3165 | 874 | 2.1e-87 |

| Protein name | Locus Name | Acc# |
|--|------------|--------|
| 115K outer membrane protein precursor:SusC protein | pir:JC6027 | JC6027 |

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 19688750_f2_41 | 3014 | 8236 | 61 | 186 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 21484385_f3_81 | 3015 | 8237 | 78 | 237 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23469015_c2_152 | 3016 | 8238 | 250 | 753 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24039688_c1_115 | 3017 | 8239 | 391 | 1176 | 457 | 6.4e-53 |

Protein name

Locus Name

Acc#

alkaline phosphatase

pir:B72410

B72410

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24219562_c1_111 | 3018 | 8240 | 98 | 297 | 102 | 7.3e-05 |

Protein name

Locus Name

Acc#

glucokinase

pir:F72246

F72246

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24226532_f3_92 | 3019 | 8241 | 407 | 1224 | 423 | 1.3e-39 |

Protein name

Locus Name

sp:XYLR_HAEIN

Acc#

P45043

Description

XYLOSE OPERON REGULATORY PROTEIN

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24308311_f2_49 | 3020 | 8242 | 135 | 408 | 141 | 2.0e-09 |

Protein name

Locus Name

pir:S76643

Acc#

S76643

transposase slr0511:protein slr0511:protein slr0511

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24645312_f3_87 | 3021 | 8243 | 291 | 876 | 104 | 0.0026 |

Protein name

Locus Name

pir:E70045

Acc#

E70045

homolog yvqC

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 25662812_f3_86 | 3022 | 8244 | 85 | 258 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 25976567_f2_55 | 3023 | 8245 | 397 | 1194 | 113 | 0.0015 |

| Protein name | Locus Name | Acc# |
|----------------------------------|-------------|----------|
| immunoreactive 42kD antigen PG33 | gp:AF175715 | AF175715 |

Description

Porphyromonas gingivalis strain W50 immunoreactive 42kD antigenPG33 gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------|------|------|-----------|-----------|-------|-------------|
| 262_c2_134 | 3024 | 8246 | 143 | 432 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26699155_c3_181 | 3025 | 8247 | 184 | 555 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 2923212_c2_154 | 3026 | 8248 | 565 | 1698 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 31929762_c2_138 | 3027 | 8249 | 391 | 1176 | 779 | 2.5e-77 |

Protein name

Locus Name

sp:YDEG_SCHPO

Acc#

Q10449

Description

HYPOTHETICAL 57.2 KD PROTEIN CI2B10.16C IN CHROMOSOME I

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 33709813_f3_84 | 3028 | 8250 | 62 | 189 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34429807_f2_52 | 3029 | 8251 | 207 | 624 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 36230267_c3_180 | 3030 | 8252 | 376 | 1131 | 237 | 5.0e-24 |

Protein name

Locus Name

gp:AF144641

Acc#

AF144641

Description

Porphyromonas gingivalis strain W50 immunoreactive 53 kD antigenPGI23 gene, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 3914587_c1_112 | 3031 | 8253 | 193 | 582 | 236 | 8.6e-20 |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| hypothetical protein | pir:S76053 | | | | S76053 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------------------|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 4104637_c1_133 | 3032 | 8254 | 381 | 1146 | 115 | 0.00058 |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| clostripain-related protein | pir:B72365 | | | | B72365 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|------------------------------|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 4149180_c2_150 | 3033 | 8255 | 61 | 186 | 54 | 0.0081 |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| hypothetical protein T03F7.4 | pir:T24404 | | | | T24404 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 4192187_c1_129 | 3034 | 8256 | 481 | 1446 | 210 | 3.6e-14 |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| transposase | gp:AF038866 | | | | AF038866 | |
| <u>Description</u> | | | | | | |
| Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------------|------|------|-----------|--------------|-------|-------------|
| 4423386_c3_157 | 3035 | 8257 | 290 | 873 | 152 | 2.6e-08 |
| Protein name | | | | Locus Name | | Acc# |
| Hyp1 protein | | | | gp:HVHYP1PRO | | Y09797 |
| Description | | | | | | |
| H.vulgaris mRNA for Hyp1 protein. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------------------------|------|------|-----------|------------|-------|-------------|
| 4804632_c1_116 | 3036 | 8258 | 389 | 1170 | 197 | 8.8e-13 |
| Protein name | | | | Locus Name | | Acc# |
| conserved hypothetical protein TP0931 | | | | pir:D71264 | | D71264 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-----------|-------------|-------|-------------|
| 4876556_f3_89 | 3037 | 8259 | 715 | 2148 | 181 | 1.9e-10 |
| Protein name | | | | Locus Name | | Acc# |
| immunoreactive 53 kD antigen PG123 | | | | gp:AF144641 | | AF144641 |
| Description | | | | | | |
| Porphyromonas gingivalis strain W50 immunoreactive 53 kD antigen PG123 gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-----------|---------------|-------|-------------|
| 4960760_c1_117 | 3038 | 8260 | 487 | 1464 | 230 | 2.4e-21 |
| Protein name | | | | Locus Name | | Acc# |
| | | | | gp:ATAC004411 | | AC004411 |
| Description | | | | | | |
| Arabidopsis thaliana chromosome II BAC F14M4 genomic sequence, complete sequence. | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 6442905_c3_158 | 3039 | 8261 | 189 | 570 | 171 | 4.9e-12 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| conserved hypothetical protein TP0931 | | | pir:D71264 | | | D71264 |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 6694705_c1_128 | 3040 | 8262 | 180 | 543 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| | | | | | | |
| <u>Description</u> | | | | | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 7126086_t1_32 | 3041 | 8263 | 63 | 192 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| | | | | | | |
| <u>Description</u> | | | | | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 785882_c1_113 | 3042 | 8264 | 551 | 1656 | 110 | 2.2e-07 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| unknown | | | gp:U96771 | | | U96771 |
| <u>Description</u> | | | | | | |

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknowngenes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------|------|------|------------|-----------|-------|-------------|
| 859452_c1_120 | 3043 | 8265 | 261 | 786 | 241 | 2.5e-20 |
| Protein name | | | Locus Name | | | Acc# |
| probable transmembrane protein | | | pir:T34651 | | | T34651 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|-------|-------------|
| 897187_c1_127 | 3044 | 8266 | 532 | 1599 | 276 | 1.2e-21 |
| Protein name | | | Locus Name | | | Acc# |
| hypothetical protein PAB1002 | | | pir:G75064 | | | G75064 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 10035453_c1_59 | 3045 | 8267 | 74 | 225 | | |
| Protein name | | | Locus Name | | | Acc# |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|--------------|-----------|-------|-------------|
| 1052188_c3_87 | 3046 | 8268 | 68 | 207 | 71 | 0.028 |
| Protein name | | | Locus Name | | | Acc# |
| gp59 | | | gp:BA1242593 | | | AJ242593 |
| Description | | | | | | |

Bacteriophage A118 complete genome.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 13089760_f2_19 | 3047 | 8269 | 77 | 234 | | |
| Protein name | | | Locus Name | | | Acc# |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 14650012_c3_92 | 3048 | 8270 | 536 | 1611 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 14664813_c1_64 | 3049 | 8271 | 62 | 189 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 15742327_c2_79 | 3050 | 8272 | 66 | 201 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 16210456_f1_8 | 3051 | 8273 | 107 | 324 | 213 | 9.1e-17 |

Protein name

Locus Name

Acc#

conserved hypothetical protein BB0262

pir:F70132

F70132

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 16680455_f3_48 | 3052 | 8274 | 138 | 417 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 22946087_f1_9 | 3053 | 8275 | 108 | 327 | 70 | 0.033 |

| Protein name | Locus Name | Acc# |
|-------------------------|------------|--------|
| hypothetical protein 62 | pir:T31025 | T31025 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 23554057_f3_35 | 3054 | 8276 | 412 | 1239 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 24219067_f1_5 | 3055 | 8277 | 62 | 189 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24398917_f3_38 | 3056 | 8278 | 135 | 408 | 112 | 4.2e-06 |

| Protein name | Locus Name | Acc# |
|--------------------------------|------------|--------|
| conserved hypothetical protein | pir:G72380 | G72380 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 25633312_f3_34 | 3057 | 8279 | 69 | 210 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 29921938_f1_16 | 3058 | 8280 | 297 | 894 | 435 | 7.0e-41 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:YF23_HAEIN | P44243 |

Description

HYPOTHETICAL PROTEIN HI1523

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 30355305_c3_90 | 3059 | 8281 | 271 | 816 | 411 | 2.5e-38 |

| Protein name | Locus Name | Acc# |
|--------------|--------------|--------|
| | sp:SOJ_BACSU | P37522 |

Description

SOJ PROTEIN

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 32069806_f3_33 | 3060 | 8282 | 332 | 999 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 33882837_c3_91 | 3061 | 8283 | 97 | 294 | 80 | 0.024 |

| Protein name | Locus Name | Acc# |
|---------------------------------|------------|--------|
| hypothetical protein F20D10.230 | pir:T05638 | T05638 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34181512_f2_31 | 3062 | 8284 | 207 | 624 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 34182813_f1_7 | 3063 | 8285 | 260 | 783 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34407928_f2_20 | 3064 | 8286 | 134 | 405 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 35267037_f2_23 | 3065 | 8287 | 117 | 354 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 36562555_c3_86 | 3066 | 8288 | 64 | 195 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 36613586_c1_56 | 3067 | 8289 | 65 | 198 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4182811_E3_40 | 3068 | 8290 | 393 | 1182 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 831463_c1_67 | 3069 | 8291 | 141 | 426 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 839217_c3_93 | 3070 | 8292 | 120 | 363 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10820311_c2_198 | 3071 | 8293 | 230 | 693 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 11881375_f2_45 | 3072 | 8294 | 177 | 534 | 445 | 6.1e-42 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | sp:YACN_BACSU | Q06756 |

Description

HYPOTHETICAL 17.1 KD PROTEIN IN MECB-GLTX INTERGENIC REGION

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 12929693_f3_78 | 3073 | 8295 | 261 | 786 | 372 | 3.3e-34 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | sp:YAAA_ECOLI | P11288 |

Description

HYPOTHETICAL 29.6 KD PROTEIN IN THRC-TALB INTERGENIC REGION

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 1367043_f3_81 | 3074 | 8296 | 477 | 1434 | 424 | 1.0e-39 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | sp:RLUB_BACSU | P35159 |

Description

(PSEUDOURIDYLATE SYNTHASE) (URACIL HYDROLYASE)

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 1444087_f2_50 | 3075 | 8297 | 208 | 627 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14647277_c3_235 | 3076 | 8298 | 337 | 1014 | 1216 | 1.2e-123 |

| Protein name | Locus Name | Acc# |
|------------------------------------|-------------|----------|
| immunoreactive 36 kDa antigen PG14 | gp:AF145798 | AF145798 |

Description

Porphyromonas gingivalis strain W50 immunoreactive 36 kDa antigenPG14 gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 14886027_f3_79 | 3077 | 8299 | 185 | 558 | 416 | 7.3e-39 |

| Protein name | Locus Name | Acc# |
|--------------|--------------|--------|
| | sp:MAA_BACSU | P37515 |

Description

TRANSACETYLASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 19799013_f2_32 | 3078 | 8300 | 138 | 417 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 20312630_f3_80 | 3079 | 8301 | 478 | 1437 | 1372 | 3.6e-140 |

| Protein name | Locus Name | Acc# |
|------------------------|-------------|----------|
| adenylosuccinate lyase | gp:LMFP1421 | AL132764 |

Description

Leishmania major Friedlin chromosome 4 PAC P1421.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 21679756_c2_180 | 3080 | 8302 | 642 | 1929 | 112 | 2.3e-11 |

Protein name

Locus Name

sp:THIO_HELPY

Acc#

P56430

Description

THIOREDOXIN (TRX)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 23553426_f2_57 | 3081 | 8303 | 344 | 1035 | 827 | 2.0e-82 |

Protein name

Locus Name

sp:ILVE_HAEIN

Acc#

P54689

Description

B) (BCAT)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 23989077_f1_17 | 3082 | 8304 | 268 | 807 | 379 | 6.1e-35 |

Protein name

Locus Name

pir:E72226

Acc#

E72226

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24023442_f3_85 | 3083 | 8305 | 282 | 849 | 603 | 1.1e-58 |

Protein name

Locus Name

pir:A69699

Acc#

ribosomal protein S2 (rpsB):ribosomal protein BS1

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24026561_c1_148 | 3084 | 8306 | 93 | 282 | 78 | 0.0093 |

| Protein name | Locus Name | Acc# |
|--|-------------|----------|
| late expression factor 2 homolog lef-2 | gp:AF002732 | AF002732 |

Description
Cydia pomonella granulovirus late expression factor 2 homolog lef-2gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24328386_c2_177 | 3085 | 8307 | 239 | 720 | 111 | 0.00037 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:YQEF_BACSU | P54451 |

Description

PRECURSOR

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 24412511_f3_83..... | 3086 | 8308 | 160 | 483 | 373 | 2.6e-34 |

| Protein name | Locus Name | Acc# |
|-----------------------|------------|--------|
| ribosomal protein L13 | pir:F71677 | F71677 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 24414827_f1_18..... | 3087 | 8309 | 252 | 759 | 293 | 7.9e-26 |

| Protein name | Locus Name | Acc# |
|-------------------------------------|------------|--------|
| conserved hypothetical protein ytmQ | pir:B69997 | B69997 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|------------|-----------|--------|-------------|
| 24651013_c1_122 | 3088 | 8310 | 486 | 1461 | 244 | 1.0e-17 |
| Protein name | | | Locus Name | | Acc# | |
| lipase-like protein | | | pir:A64706 | | A64706 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|------------|-----------|--------|-------------|
| 2470802_c1_127 | 3089 | 8311 | 420 | 1263 | 367 | 1.1e-33 |
| Protein name | | | Locus Name | | Acc# | |
| conserved hypothetical integral membrane protein HP1486 | | | pir:F64705 | | F64705 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------|-----------|--------|-------------|
| 25415626_c3_238 | 3090 | 8312 | 681 | 2046 | 371 | 2.4e-44 |
| Protein name | | | Locus Name | | Acc# | |
| alpha-glucosidase | | | gp:BTU66897 | | U66897 | |
| Description | | | | | | |
| Bacteroides thetaiotaomicron neopullulanase (susA) and alpha-glucosidase (susB) genes, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 25440900_c1_158 | 3091 | 8313 | 460 | 1383 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------------|------|------|------------|-----------|--------|-------------|
| 25588962_f3_88 | 3092 | 8314 | 224 | 675 | 357 | 1.3e-32 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein ydiH | | | pir:A69787 | | A69787 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|------------|-----------|--------|-------------|
| 26254813_c3_253 | 3093 | 8315 | 290 | 873 | 89 | 0.0016 |
| Protein name | | | Locus Name | | Acc# | |
| splicing regulatory protein SWAP homolog (alternatively spliced, clone pFL2) | | | pir:A54037 | | A54037 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 26283262_f2_43 | 3094 | 8316 | 166 | 501 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | NO-HIT | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 26353388_f3_92 | 3095 | 8317 | 411 | 1236 | 425 | 8.1e-40 |
| Protein name | | | Locus Name | | Acc# | |
| probable exodeoxyribonuclease VII large subunit | | | pir:C75549 | | C75549 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26365887_f3_86 | 3096 | 8318 | 335 | 1008 | 354 | 1.1e-41 |

Protein name

Locus Name

sp:EFIS_MYCTU

Acc#

Q10788

Description

ELONGATION FACTOR TS (EF-TS)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26454391_c1_128 | 3097 | 8319 | 272 | 819 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26600263_f3_84 | 3098 | 8320 | 130 | 393 | 318 | 1.8e-28 |

Protein name

Locus Name

sp:RS9_MYCTU

Acc#

006259

Description

30S RIBOSOMAL PROTEIN S9

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 2756327_c2_209 | 3099 | 8321 | 98 | 297 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 29407552_f1_13 | 3100 | 8322 | 81 | 246 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 29745386_f1_15 | 3101 | 8323 | 400 | 1203 | 624 | 6.6e-61 |

Protein name

Locus Name

Acc#

hypothetical protein RP306

pir:E71686

E71686

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 30160336_c2_195 | 3102 | 8324 | 68 | 207 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 31676510_f3_95 | 3103 | 8325 | 337 | 1014 | 680 | 7.7e-67 |

Protein name

Locus Name

Acc#

sp:MRP_SYNY3

P53383

Description

MRP PROTEIN HOMOLOG

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 33398425_f2_72 | 3104 | 8326 | 861 | 2586 | 178 | 4.3e-11 |

Protein name: unknown

Locus Name: gp:AF007381

Acc#: AF007381

Description: Flavobacterium johnsoniae gliding motility protein (gldA) gene, complete cds; and unknown genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 3361250_f2_73 | 3105 | 8327 | 188 | 567 | 160 | 9.7e-12 |

Protein name: RNA polymerase sigma factor SigZ-like protein

Locus Name: gp:AF137263

Acc#: AF137263

Description: Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 33722640_f3_91 | 3106 | 8328 | 153 | 462 | 202 | 6.6e-15 |

Protein name: subtilisin sendai homolog

Locus Name: pir:C69456

Acc#: C69456

Description:

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 33847078_f2_51 | 3107 | 8329 | 80 | 243 | 72 | 0.021 |

Protein name: phase-1 flagellin

Locus Name: pir:S33191

Acc#: S33191

Description:

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 34105313_c2_179 | 3108 | 8330 | 590 | 1773 | 136 | 4.1e-06 |

Protein name

Locus Name

sp:TONB_HELPY

Acc#

025899

Description

TONB PROTEIN

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 34648582_f3_118 | 3109 | 8331 | 319 | 960 | 134 | 3.2e-06 |

Protein name

Locus Name

gp:AF051691

Acc#

AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor(fiuI), transmembrane sensor (fiuR), and hydroxamate-typeferrisiderophore receptor (fiuA) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 35312692_f3_74 | 3110 | 8332 | 526 | 1581 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 35625007_c3_245 | 3111 | 8333 | 431 | 1296 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 35944140_f3_90 | 3112 | 8334 | 301 | 906 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 36579090_c2_175 | 3113 | 8335 | 347 | 1044 | 197 | 2.7e-13 |

Protein name Locus Name Acc#

hypothetical protein jhpl380 pir:G71815 G71815

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4095887_f2_56 | 3114 | 8336 | 73 | 222 | 79 | 0.0037 |

Protein name Locus Name Acc#

exodeoxyribonuclease VII, small chain pir:JQ0664

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4142762_f1_5 | 3115 | 8337 | 470 | 1413 | 1396 | 1.0e-142 |

Protein name Locus Name Acc#

sp:SYN_SYNY3 P52276

Description

LIGASE) (ASNRS)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4379427_c3_240 | 3116 | 8338 | 124 | 375 | 131 | 1.2e-08 |

Protein name

Locus Name

sp:BLAI_STAAU

Acc#

P18415

Description

REPRESSOR PROTEIN)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4485312_c3_271 | 3117 | 8339 | 746 | 2241 | 505 | 5.9e-47 |

Protein name

Locus Name

sp:NAGH_CLOPE

Acc#

P26831

Description

(MU TOXIN)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4883507_c1_152 | 3118 | 8340 | 119 | 360 | 181 | 5.8e-14 |

Protein name

Locus Name

sp:Y546_SYNY3

Acc#

Q55397

Description

HYPOTHETICAL 11.9 KD PROTEIN SLL0546

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 5275292_f3_89 | 3119 | 8341 | 205 | 618 | 387 | 8.6e-36 |

Protein name

Locus Name

gp:ATFCA5

Acc#

Z97340

Description

Arabidopsis thaliana DNA chromosome 4, ESSA I FCA contig fragmentNo. 5.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 5285687_f1_16 | 3120 | 8342 | 93 | 282 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 78375_f1_3 | 3121 | 8343 | 643 | 1932 | 957 | 3.4e-96 |

Protein name

Locus Name

Acc#

sp:BGAL_XANMN

P48982

Description

BETA-GALACTOSIDASE PRECURSOR, (LACTASE)

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 876937_c2_216 | 3122 | 8344 | 64 | 195 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 10023300_c2_107 | 3123 | 8345 | 105 | 318 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10603388_c3_138 | 3124 | 8346 | 331 | 996 | 341 | 6.4e-31 |

Protein name

Locus Name

Acc#

sp:YEIH_ECOLI

P33019

Description

HYPOTHETICAL 36.9 KD PROTEIN IN LYSP-NFO INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 11882812_f3_64 | 3125 | 8347 | 143 | 432 | 130 | 1.5e-08 |

Protein name

Locus Name

Acc#

conserved hypothetical protein TP0412

pir:B71327

B71327

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 1204010_c2_106 | 3126 | 8348 | 140 | 423 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 13065655_c3_123 | 3127 | 8349 | 274 | 825 | 1083 | 1.5e-109 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 14730313_f3_59 | 3128 | 8350 | 868 | 2607 | 2435 | 8.2e-253 |

Protein name

Locus Name

sp:CLPB_SYNY3

Acc#

P74361

Description

CLPB PROTEIN

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 15641008_c3_132 | 3129 | 8351 | 92 | 279 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 16832885_c2_116 | 3130 | 8352 | 431 | 1296 | 1723 | 2.3e-177 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:JQ1020

JQ1020

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 16989052_f2_27 | 3131 | 8353 | 189 | 570 | 378 | 7.7e-35 |

Protein name

Locus Name

Acc#

conserved hypothetical protein aq_495

pir:E70344

E70344

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------|------|------|-----------|-----------|-------|-------------|
| 187627_f1_4 | 3132 | 8354 | 407 | 1224 | 1479 | 1.6e-151 |

Protein name

Locus Name

Acc#

hypothetical protein slr0049

pir:S74347

S74347

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|--------|-------------|
| 19703511_c2_108 | 3133 | 8355 | 105 | 318 | 127 | 3.8e-07 |
| Protein name | | | Locus Name | | Acc# | |
| 63 kDa protein | | | gp:MBU73653 | | U73653 | |
| Description | | | | | | |
| Mycobacterium bovis 63 kDa protein, 47 kDa protein and clpB gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 197188_c2_95 | 3134 | 8356 | 243 | 732 | 113 | 1.0e-11 |
| Protein name | | | Locus Name | | Acc# | |
| drgA protein:protein slr1719:protein slr1719 | | | pir:S75047 | | S75047 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------|------|------|------------|-----------|--------|-------------|
| 2035912_c3_131..... | 3135 | 8357 | 210 | 633 | 241 | 2.5e-20 |
| Protein name | | | Locus Name | | Acc# | |
| conserved hypothetical protein | | | pir:D75341 | | D75341 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|---------------|-----------|--------|-------------|
| 22860128_c3_140..... | 3136 | 8358 | 83 | 252 | 64 | 0.031 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:SPRC_XENLA | | P36378 | |
| Description | | | | | | |
| (OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40) | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------------|------|------|-----------|------------|-------|-------------|
| 23625937_c3_130 | 3137 | 8359 | 116 | 351 | 163 | 4.7e-12 |
| Protein name | | | | Locus Name | | Acc# |
| conserved hypothetical protein yrbF | | | | pir:E69972 | | E69972 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------|------|------|-----------|------------|-------|-------------|
| 24500082_f3_67 | 3138 | 8360 | 178 | 537 | 200 | 5.6e-16 |
| Protein name | | | | Locus Name | | Acc# |
| hypothetical protein SC7H2.05 | | | | pir:T35736 | | T35736 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------|------|------|-----------|------------|-------|-------------|
| 24640755_f1_22 | 3139 | 8361 | 423 | 1272 | 463 | 7.6e-44 |
| Protein name | | | | Locus Name | | Acc# |
| glucose/galactose transporter | | | | pir:A71850 | | A71850 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|------------|-------|-------------|
| 24640932_f2_30 | 3140 | 8362 | 229 | 690 | | |
| Protein name | | | | Locus Name | | Acc# |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------|------|------|-----------|------------|-------|-------------|
| 24642312_f1_17 | 3141 | 8363 | 189 | 570 | 357 | 1.3e-32 |
| Protein name | | | | Locus Name | | Acc# |
| peptidyl-trNA hydrolase | | | | pir:B72229 | | B72229 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24803942_f3_51 | 3142 | 8364 | 361 | 1086 | 1595 | 8.4e-164 |

Protein name

Locus Name

sp:RECA_BACFR

Acc#

P22841

Description

RECA PROTEIN

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24881300_c2_111 | 3143 | 8365 | 199 | 600 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26594010_c2_94 | 3144 | 8366 | 234 | 705 | 330 | 9.4e-30 |

Protein name

Locus Name

gp:AB024531

Acc#

AB024531

Description

Enterococcus seriolicida SA2F01-1, -2, -3 genes, partial and complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 30271025_c3_146 | 3145 | 8367 | 287 | 864 | 214 | 6.2e-17 |

Protein name

Locus Name

pir:D75333

Acc#

D75333

conserved hypothetical protein

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 30519457_f2_29 | 3146 | 8368 | 196 | 591 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 31417187_c1_81 | 3147 | 8369 | 261 | 786 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 33401011_c1_80 | 3148 | 8370 | 71 | 216 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4010927_c2_105 | 3149 | 8371 | 340 | 1023 | 103 | 0.022 |

Protein name Locus Name Acc#

hypothetical protein ybbR

pir:A69745

A69745

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------|------|------|-----------|-----------|-------|-------------|
| 426337_f1_7 | 3150 | 8372 | 113 | 342 | 106 | 6.0e-06 |

| Protein name | Locus Name | Acc# |
|---|-------------|----------|
| RNA polymerase sigma factor SigZ-like protein | gp:AF137263 | AF137263 |

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4720311_f3_48 | 3151 | 8373 | 198 | 597 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4806587_c3_124 | 3152 | 8374 | 280 | 843 | 217 | 1.7e-17 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:YJJU_ECOLI | P39407 |

Description

HYPOTHETICAL 39.8 KD PROTEIN IN OSMY-DEOC INTERGENIC REGION (0357)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4878506_f3_49 | 3153 | 8375 | 221 | 666 | 101 | 0.017 |

| Protein name | Locus Name | Acc# |
|------------------|-------------|----------|
| KIAA0636 protein | gp:AB014536 | AB014536 |

Description

Homo sapiens mRNA for KIAA0636 protein, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 4973765_f1_8 | 3154 | 8376 | 114 | 345 | 124 | 9.4e-08 |

| Protein name | Locus Name | Acc# |
|--------------|-------------|----------|
| SigG | gp:AF121849 | AF121849 |

Description

Synechococcus PCC7002 SigG (sigG) and hypothetical protein genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 5281562_c3_126 | 3155 | 8377 | 542 | 1629 | 186 | 1.1e-09 |

| Protein name | Locus Name | Acc# |
|---------------------------|------------|----------|
| putative secreted protein | gp:SC4A7 | AL133423 |

Description

Streptomyces coelicolor cosmid 4A7.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 812533_c2_112..... | 3156 | 8378 | 302 | 909 | 372 | 3.3e-34 |

| Protein name | Locus Name | Acc# |
|-------------------------------------|------------|--------|
| transcription regulator LysR family | pir:F70356 | F70356 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 907137_c2_104..... | 3157 | 8379 | 338 | 1017 | 171 | 2.1e-12 |

| Protein name | Locus Name | Acc# |
|-----------------------------------|------------|--------|
| N utilization substance protein B | pir:D72212 | D72212 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------|------|------|------------|-----------|--------|-------------|
| 976536_f3_65 | 3158 | 8380 | 202 | 609 | 208 | 8.0e-17 |
| Protein name | | | Locus Name | | Acc# | |
| probable ribosomal protein L25 | | | pir:H71665 | | H71665 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 995461_c1_90 | 3159 | 8381 | 108 | 327 | 80 | 0.036 |
| Protein name | | | Locus Name | | Acc# | |
| dihydrofolate reductase, / thymidylate synthase, | | | pir:T01684 | | T01684 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|----------|-------------|
| 10735002_c2_18 | 3160 | 8382 | 195 | 588 | 177 | 1.5e-13 |
| Protein name | | | Locus Name | | Acc# | |
| RNA polymerase sigma factor SigZ-like protein | | | gp:AF137263 | | AF137263 | |
| Description | | | | | | |
| Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|--------|-------------|
| 12395950_f2_2 | 3161 | 8383 | 132 | 399 | 107 | 2.2e-05 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein F14F9.5 | | | pir:T33774 | | T33774 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-----------|------------|-------|-------------|
| 12689712_f3_9 | 3162 | 8384 | 612 | 1836 | 588 | 1.2e-57 |
| Protein name | | | | Locus Name | | Acc# |
| 115K outer membrane protein precursor:SusC protein | | | | pir:JC6027 | | JC6027 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------|------|------|-----------|------------|-------|-------------|
| 20524150_f2_3 | 3163 | 8385 | 385 | 1158 | 144 | 3.0e-06 |
| Protein name | | | | Locus Name | | Acc# |
| probable phosphoesterase, yvnB | | | | pir:C70044 | | C70044 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-----------|-------------|-------|-------------|
| 4100877_f3_8 | 3164 | 8386 | 338 | 1017 | 117 | 0.00031 |
| Protein name | | | | Locus Name | | Acc# |
| transmembrane sensor | | | | gp:AF051691 | | AF051691 |
| Description | | | | | | |
| Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor (fiuI), transmembrane sensor (fiuR), and hydroxamate-type ferrisiderophore receptor (fiuA) genes, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-----------|-------------|-------|-------------|
| 31726567_g1_11 | 3165 | 8387 | 96 | 291 | 450 | 1.8e-42 |
| Protein name | | | | Locus Name | | Acc# |
| mobilization protein C | | | | gp:AF118243 | | AF118243 |
| Description | | | | | | |
| Bacteroides fragilis mobilization protein C (mobC) gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 5135158_c1_10 | 3166 | 8388 | 101 | 306 | 464 | 6.0e-44 |

Protein name: mobilization protein C

Locus Name: gp:AF118243

Acc#: AF118243

Description: Bacteroides fragilis mobilization protein C (mobC) gene, completecds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 7112683_f3_6 | 3167 | 8389 | 216 | 651 | 1024 | 2.7e-103 |

Protein name: mobilization protein B

Locus Name: gp:AF118242

Acc#: AF118242

Description: Bacteroides fragilis mobilization protein B (mobB) gene, completecds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10972160_f3_194 | 3168 | 8390 | 439 | 1320 | 241 | 1.3e-17 |

Protein name: LEUKOTOXIN SECRETION PROTEIN D

Locus Name: sp:HLVD_PASHA

Acc#: P16534

Description: LEUKOTOXIN SECRETION PROTEIN D

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10973751_f3_179 | 3169 | 8391 | 441 | 1326 | 670 | 8.8e-66 |

Protein name: DNA-DAMAGE-INDUCIBLE PROTEIN F

Locus Name: sp:DINF_ECOLI

Acc#: P28303

Description: DNA-DAMAGE-INDUCIBLE PROTEIN F

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 1173187_c3_347 | 3170 | 8392 | 115 | 348 | 90 | 0.011 |

Protein name: hypothetical protein, MALIP3.07

Description: Plasmodium falciparum MALIP3, complete sequence.

Locus Name: gp:PFMALIP3

Acc#: AL031746

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 1178325_c2_265 | 3171 | 8393 | 418 | 1257 | | |

Protein name:

Description: NO-HIT

Locus Name:

Acc#:

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 11926083_c3_337 | 3172 | 8394 | 103 | 312 | | |

Protein name:

Description: NO-HIT

Locus Name:

Acc#:

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 12501567_f1_55 | 3173 | 8395 | 261 | 786 | 276 | 5.0e-24 |

Protein name: ligase

Description:

Locus Name: pir:A70351

Acc#: A70351

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 134687_c1_221 | 3174 | 8396 | 105 | 318 | 304 | 5.4e-27 |

Protein name

Locus Name

sp:THIM_PEA

Acc#

Description

THIOREDOXIN M-TYPE, CHLOROPLAST PRECURSOR (TRX-M)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 13946017_c3_360 | 3175 | 8397 | 443 | 1332 | 481 | 9.4e-46 |

Protein name

Locus Name

pir:S75346

Acc#

S75346

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14256505_f2_120 | 3176 | 8398 | 288 | 867 | 148 | 5.5e-07 |

Protein name

Locus Name

gp:U93872

Acc#

U93872

Description

Kaposi's sarcoma-associated herpesvirus glycoprotein M, DNA replication protein, glycoprotein, DNA replication protein, FLICE inhibitory protein and v-cyclin genes, complete cds, and tegument protein gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14460760_f3_196 | 3177 | 8399 | 240 | 723 | 369 | 1.2e-32 |

Protein name

Locus Name

pir:T30830

Acc#

T30830

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 14657131_f1_33 | 3178 | 8400 | 662 | 1989 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 15032952_f2_122..... | 3179 | 8401 | 931 | 2796 | | |

Protein name _____ Locus Name _____ Acc# _____

Description _____

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 15760268_f2_101..... | 3180 | 8402 | 441 | 1326 | 343 | 4.0e-31 |

Protein name _____ Locus Name _____ Acc# _____

YvrN protein gp:BS43KBDNA AJ223978

Description _____

Bacillus subtilis 42.7kB DNA fragment from yvsA to yvqA.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 16836055_f2_102..... | 3181 | 8403 | 245 | 738 | 170 | 2.8e-11 |

Protein name _____ Locus Name _____ Acc# _____

hypothetical protein Rv3695 pir:H70792 H70792

Description _____

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 16898412_f2_98 | 3182 | 8404 | 602 | 1809 | 114 | 0.00099 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:YREC_SYNP2 | P19737 |

Description

HYPOTHETICAL 28.7 KD PROTEIN IN RECA 3' REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 17009642_c3_357 | 3183 | 8405 | 236 | 711 | 239 | 4.1e-20 |

| Protein name | Locus Name | Acc# |
|--------------|------------|--------|
| rprY protein | pir:S33662 | S33662 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 19589387_f3_190 | 3184 | 8406 | 251 | 756 | 113 | 0.00018 |

| Protein name | Locus Name | Acc# |
|--------------|-------------|----------|
| pXO2-46 | gp:AF188935 | AF188935 |

Description

Bacillus anthracis plasmid pXO2, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 20508312_f1_39 | 3185 | 8407 | 365 | 1098 | 206 | 3.1e-14 |

| Protein name | Locus Name | Acc# |
|------------------------------------|------------|--------|
| acriflavin resistance protein AcrE | pir:A70361 | A70361 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 213340_c3_358 | 3186 | 8408 | 353 | 1062 | 114 | 0.00085 |

Protein name

Locus Name

sp:Y876_METJA

Acc#

Q58286

Description

POTATIVE ABC TRANSPORTER PERMEASE PROTEIN MJ0876

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 21494031_f2_111 | 3187 | 8409 | 96 | 291 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 21676532_f3_180 | 3188 | 8410 | 242 | 729 | 653 | 5.6e-64 |

Protein name

Locus Name

sp:PYRH_ECOLI

Acc#

P29464

Description

(UMP KINASE) (SMBA PROTEIN)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 21769782_f3_135 | 3189 | 8411 | 469 | 1410 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 22666577_c1_234 | 3190 | 8412 | 207 | 624 | 76 | 0.024 |

Protein name

Locus Name

sp:E311_ADE03

Acc#

P11317

Description

EARLY E3 9.0 KD GLYCOPROTEIN

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 2343876_f1_32 | 3191 | 8413 | 85 | 258 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 23551325_f3_183..... | 3192 | 8414 | 165 | 498 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 23625177_f1_61..... | 3193 | 8415 | 190 | 573 | 433 | 1.1e-40 |

Protein name

Locus Name

Acc#

ribosome recycling factor

pir:C75386

C75386

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|------|-----|---------|
| 23626561_f3_188 | 3194 | 8416 | 433 | 1302 | 118 | 0.00066 |
|-----------------|------|------|-----|------|-----|---------|

| Protein name | Locus Name | Acc# |
|--------------|-------------|--------|
| | gp:VCU47542 | U47542 |

Description

Vibrio cholerae ADP-L-glycero-D-mannoheptose-6-epimerase (rfad) gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|-----|---------|
| 23650288_f1_68 | 3195 | 8417 | 361 | 1086 | 327 | 2.0e-29 |
|----------------|------|------|-----|------|-----|---------|

| Protein name | Locus Name | Acc# |
|----------------------------------|------------|--------|
| cation efflux system (czcB-like) | pir:C70415 | C70415 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|----|-----|--|--|
| 23937750_c2_282 | 3196 | 8418 | 67 | 204 | | |
|-----------------|------|------|----|-----|--|--|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|--------------|------|------|----|-----|--|--|
| 239665_f1_57 | 3197 | 8419 | 66 | 201 | | |
|--------------|------|------|----|-----|--|--|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24015635_f2_126 | 3198 | 8420 | 116 | 351 | | |

Protein name _____ Locus Name _____ Acc# _____

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24016077_f1_38 | 3199 | 8421 | 186 | 561 | 129 | 1.9e-08 |

Protein name _____ Locus Name _____ Acc# _____

sp:Y793_METJA Q58203

Description

HYPOTHETICAL PROTEIN MJ0793

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24097562_c3_345 | 3200 | 8422 | 270 | 813 | 283 | 2.6e-40 |

Protein name _____ Locus Name _____ Acc# _____

DNA polymerase gp:AF083949 AF083949

Description

Treponema denticola DNA gyrase subunit B (gyrB) and chromosomal replication initiator protein (dnaA) genes, complete cds; and DNA polymerase (dnaE) gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24261627_c1_219 | 3201 | 8423 | 418 | 1257 | | |

Protein name _____ Locus Name _____ Acc# _____

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24396877_f3_161 | 3202 | 8424 | 220 | 663 | 95 | 0.0025 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | sp:Y794_METJA | Q58204 |

Description

HYPOTHETICAL PROTEIN MJ0794

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24406886_c3_320 | 3203 | 8425 | 105 | 318 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24413127_f2_100..... | 3204 | 8426 | 101 | 306 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24417812_f1_67..... | 3205 | 8427 | 740 | 2223 | 931 | 1.9e-93 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

heterocyst differentiation protein HetC

pir:T31072

T31072

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------|-----------|----------|-------------|
| 24423426_c3_338 | 3206 | 8428 | 445 | 1338 | 149 | 7.7e-08 |
| Protein name | | | Locus Name | | Acc# | |
| laminarinase | | | gp:AF047003 | | AF047003 | |
| Description | | | | | | |
| Rhodothermus marinus strain ITI278 laminarinase (lamR) gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 24489377_f3_175 | 3207 | 8429 | 149 | 450 | 134 | 5.5e-09 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein SC2E1.19 SC2E1.19 | | | pir:T34787 | | T34787 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|----------|-------------|
| 24640642_f3_176 | 3208 | 8430 | 120 | 363 | 168 | 1.4e-12 |
| Protein name | | | Locus Name | | Acc# | |
| MmcQ | | | gp:AF127374 | | AF127374 | |
| Description | | | | | | |
| Streptomyces lavendulae LinA homolog, cytochrome P450 hydroxylase ORF4, cytochrome P450 hydroxylase ORF3, MitT (mitT), MitS (mitS), MitR (mitR), MitQ (mitQ), MitP (mitP), MitO (mitO), MitN (mitN), MitM (mitM), MitL (mitL), MitK (mitK), MitJ (mitJ), MitI (mitI), MitH (mitH), MitG (mitG), MitF (mitF), MitE (mitE), MitD (mitD), MitC (mitC), MitB (mitB), MitA (mitA), MmcA (mmcA), MmcB | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------|------|------|------------|-----------|--------|-------------|
| 24648427_c3_339 | 3209 | 8431 | 232 | 699 | 118 | 0.00012 |
| Protein name | | | Locus Name | | Acc# | |
| conserved hypothetical protein | | | pir:A72220 | | A72220 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 24883260_f2_130 | 3210 | 8432 | 690 | 2070 | 897 | 7.8e-90 |
| Protein name | | | Locus Name | | Acc# | |
| acriflavin resistance protein D (acrD) RP170 | | | pir:F71727 | | F71727 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------------------|------|------|-------------|-----------|----------|-------------|
| 24884633_c1_240 | 3211 | 8433 | 186 | 561 | 359 | 7.0e-32 |
| Protein name | | | Locus Name | | Acc# | |
| immunoreactive 89kD antigen PG87 | | | gp:AF175722 | | AF175722 | |
| Description | | | | | | |

Porphyromonas gingivalis strain W50 immunoreactive 89kD antigen PG87 gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------------|------|------|-------------|-----------|----------|-------------|
| 25501562_f2_125 | 3212 | 8434 | 525 | 1578 | 117 | 0.00071 |
| Protein name | | | Locus Name | | Acc# | |
| beta-1,4-galactosyltransferase IV | | | gp:AB024436 | | AB024436 | |
| Description | | | | | | |

Homo sapiens mRNA for beta-1,4-galactosyltransferase IV, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 25548463_f1_30 | 3213 | 8435 | 74 | 225 | | |
| Protein name | | | Locus Name | | Acc# | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26370888_f3_148 | 3214 | 8436 | 155 | 468 | 239 | 4.1e-20 |

Protein name
 conserved hypothetical protein yd1B

Locus Name
 pir:C69786

Acc#
 C69786

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26594677_f2_121 | 3215 | 8437 | 531 | 1596 | 644 | 3.9e-73 |

Protein name

Locus Name
 sp:DNAK_HALMA

Acc#
 Q01100

Description

DNAK PROTEIN (HEAT SHOCK PROTEIN 70) (HSP70)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26660812_f1_60 | 3216 | 8438 | 417 | 1254 | 115 | 0.0012 |

Protein name

Locus Name
 gp:AF192766

Acc#
 AF192766

Description

Bacillus cereus strain Ae10 enterotoxin mRNA, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 29511526_c1_220 | 3217 | 8439 | 1072 | 3219 | 1446 | 1.3e-170 |

Protein name

Locus Name
 sp:DP3A_BORBU

Acc#
 051526

Description

DNA POLYMERASE III, ALPHA CHAIN,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 31837701_f1_18 | 3218 | 8440 | 273 | 822 | 563 | 1.9e-54 |

| Protein name | Locus Name | Acc# |
|---------------------------------------|------------|--------|
| conserved hypothetical protein MTH606 | pir:E69180 | E69180 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 32141338_c2_250 | 3219 | 8441 | 86 | 261 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 32297293_c2_274 | 3220 | 8442 | 149 | 450 | 444 | 7.8e-42 |

| Protein name | Locus Name | Acc# |
|--------------|--------------|--------|
| | gp:PGPGAAGEN | X95938 |

Description

P.gingivalis rnhB & pgaA genes & orfs 150, 197, 202 & 199.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 33876067_c3_359 | 3221 | 8443 | 430 | 1293 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 34254387_c1_219 | 3222 | 8444 | 88 | 267 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 34492925_c3_340..... | 3223 | 8445 | 84 | 255 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 36120842_c3_369..... | 3224 | 8446 | 65 | 198 | 107 | 7.7e-05 |

Protein name Locus Name Acc#

immunoreactive 89kD antigen PG87 gp:AF175722 AF175722

Description

Porphyromonas gingivalis strain W50 immunoreactive 89kD antigenPG87 gene, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 36219693_f2_83..... | 3225 | 8447 | 92 | 279 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------|------|------|-------------------|-----------|-------------|-------------|
| 36525287_f3_186 | 3226 | 8448 | 311 | 936 | 546 | 1.2e-52 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| conserved hypothetical protein | | | pir:A72219 | | A72219 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------------|-------------|
| 3937775_c2_311 | 3227 | 8449 | 1065 | 3198 | 468 | 4.9e-83 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| 115K outer membrane protein precursor:SusC protein | | | pir:JC6027 | | JC6027 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-------------------|-----------|-------------|-------------|
| 3944150_f2_82 | 3228 | 8450 | 143 | 432 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| <u>Description</u> | | | NO-HIT | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 39663590_c1_241 | 3229 | 8451 | 73 | 222 | 133 | 1.3e-07 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| immunoreactive 89kD antigen PG87 | | | gp:AF175722 | | AF175722 | |
| <u>Description</u> | | | | | | |
| Porphyromonas gingivalis strain W50 immunoreactive 89kD antigenPG87 gene, complete cds. | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4031501_c2_281 | 3230 | 8452 | 66 | 201 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4116566_f3_158 | 3231 | 8453 | 240 | 723 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 422157_f3_177 | 3232 | 8454 | 451 | 1356 | 100 | 0.00074 |

Protein name Locus Name Acc#

microbial collagenase, precursor:Cog protein pir:JC4393 JC4393

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4492787_c3_362 | 3233 | 8455 | 339 | 1020 | 212 | 4.6e-17 |

Protein name Locus Name Acc#

sp:APX_STRGR P80561

Description

AMINOPEPTIDASE, (SGAP)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4725938_f3_171 | 3234 | 8456 | 239 | 720 | 229 | 4.8e-19 |

Protein name

Locus Name

Acc#

sp:PSS_HELPY

Description

(PHOSPHATIDYLSERINE SYNTHASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4869802_f3_170 | 3235 | 8457 | 231 | 696 | 372 | 3.3e-34 |

Protein name

Locus Name

Acc#

unknown

gp:NGU34760

U34760

Description

Neisseria gonorrhoeae UvrA (uvrA) and ORF259 genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 4964782_c2_303..... | 3236 | 8458 | 503 | 1512 | 1227 | 8.3e-125 |

Protein name

Locus Name

Acc#

immunoreactive 89kD antigen PG87

gp:AF175722

AF175722

Description

Porphyromonas gingivalis strain W50 immunoreactive 89kD antigenPG87 gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 5332187_c1_236..... | 3237 | 8459 | 303 | 912 | 759 | 3.3e-75 |

Protein name

Locus Name

Acc#

hypothetical protein PH0776

pir:B71126

B71126

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|--------|-------------|
| 547525_c2_291 | 3238 | 8460 | 339 | 1020 | 311 | 9.7e-28 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein slr1478 | | | pir:S75694 | | S75694 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|------------|-----------|-------|-------------|
| 831250_c1_242 | 3239 | 8461 | 892 | 2679 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|------------|-----------|--------|-------------|
| 988762_c3_356 | 3240 | 8462 | 474 | 1425 | 282 | 2.2e-23 |
| Protein name | | | Locus Name | | Acc# | |
| RprX | | | gp:S59000 | | S59000 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|------------|-----------|--------|-------------|
| 11020692_c2_101 | 3241 | 8463 | 213 | 642 | 233 | 7.0e-18 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein | | | pir:A75613 | | A75613 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 11754512_f3_67 | 3242 | 8464 | 98 | 297 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 11907801_c2_106 | 3243 | 8465 | 524 | 1575 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 19531885_f3_63 | 3244 | 8466 | 118 | 357 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 20422162_f1_9 | 3245 | 8467 | 597 | 1794 | 428 | 5.6e-39 |

Protein name Locus Name Acc#

VicK protein

gp:EFA012050

AJ012050

Description

Enterococcus faecalis vic operon and flanking genes.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 2113812_f2_36 | 3246 | 8468 | 323 | 972 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|------------|-----------|--------|-------------|
| 22063410_c2_108 | 3247 | 8469 | 632 | 1899 | 1362 | 4.1e-139 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein | | | pir:S76152 | | S76152 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 22438768_c1_89 | 3248 | 8470 | 284 | 855 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 24648563_c1_88 | 3249 | 8471 | 129 | 390 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|--------|-------------|
| 26360263_f3_66 | 3250 | 8472 | 582 | 1749 | 171 | 1.8e-09 |
| Protein name | | | Locus Name | | Acc# | |
| | | | gp:MMSAG | | X84710 | |
| Description | | | | | | |

M.mazei surface antigen genes orf492, orf375 and orf783.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 29804754_c2_93 | 3251 | 8473 | 413 | 1242 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34087632_f2_38 | 3252 | 8474 | 702 | 2109 | 155 | 4.5e-12 |

Protein name

Locus Name

Acc#

sp:BTUB_ECOLI

P06129

Description

VITAMIN B12 RECEPTOR PRECURSOR

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 35706417_f2_43 | 3253 | 8475 | 483 | 1452 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4173751_f3_55 | 3254 | 8476 | 239 | 720 | 473 | 6.6e-45 |

Protein name

Locus Name

Acc#

response regulator DrrA

pir:D72228

D72228

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4878387_c3_122 | 3255 | 8477 | 400 | 1203 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4954691_c1_92 | 3256 | 8478 | 270 | 810 | 213 | 2.4e-17 |

Protein name

Locus Name

Acc#

sp:HIS9_SCHPO

014059

Description

PROBABLE HISTIDINOL-PHOSPHATASE,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 9921885_c1_81 | 3257 | 8479 | 472 | 1419 | 142 | 9.4e-06 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:A75613

A75613

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10351381_c1_216 | 3258 | 8480 | 409 | 1230 | 517 | 1.4e-49 |

Protein name

Locus Name

Acc#

sp:GLUP_BRUAB

Q44623

Description

GLUCOSE/GALACTOSE TRANSPORTER

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 110683_f2_111 | 3259 | 8481 | 301 | 903 | 146 | 1.0e-09 |

Protein name

Locus Name

Acc#

gp:PVPVA1

X92485

Description

P.vivax pval gene.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 12506407_c2_261 | 3260 | 8482 | 254 | 765 | 185 | 2.8e-17 |

Protein name

Locus Name

Acc#

sp:GPH_ECOLI

P32662

Description

PHOSPHOGLYCOLATE PHOSPHATASE, (PGP)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 12923212_c2_232..... | 3261 | 8483 | 144 | 435 | 72 | 0.028 |

Protein name

Locus Name

Acc#

sp:DBHA_SALTY

P15148

Description

DNA-BINDING PROTEIN HU-ALPHA (NS2) (HU-2)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 13127090_f2_102..... | 3262 | 8484 | 140 | 423 | 112 | 6.0e-06 |

Protein name

Locus Name

Acc#

RNA-directed DNA polymerase,, msDNA
specific:DNA nucleotidyltransferase
(RNA-directed):reverse transcriptase:revertase

pir:S19248

S19248

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 14226625_f1_1 | 3263 | 8485 | 187 | 564 | 220 | 4.3e-18 |

Protein name

Locus Name

Acc#

sp:YG77_METJA

Q59071

Description

HYPOTHETICAL PROTEIN MJ1677

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14958557_c1_200 | 3264 | 8486 | 430 | 1293 | 1219 | 5.9e-124 |

Protein name

Locus Name

Acc#

sp:XAPB_ECOLI

Description

XANTHOSINE PERMEASE (XANTHOSINE TRANSPORTER)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 15627161_c1_189..... | 3265 | 8487 | 239 | 720 | 202 | 3.5e-16 |

Protein name

Locus Name

Acc#

transcription regulator Crp/Fnr family

pir:A70344

A70344

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 15644206_c1_207..... | 3266 | 8488 | 251 | 756 | 601 | 1.8e-58 |

Protein name

Locus Name

Acc#

sp:KDSA_CHLPS

Q46225

Description

8-PHOSPHATE SYNTHETASE) (KDO 8-P SYNTHASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 16203213_c3_314 | 3267 | 8489 | 328 | 987 | 584 | 1.1e-56 |

| Protein name | Locus Name | Acc# |
|--|------------|--------|
| probable tRNA delta(2)-isopentenylpyrophosphate transferase (miaA) | pir:B71301 | B71301 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 16439662_c1_208 | 3268 | 8490 | 943 | 2832 | 2224 | 1.9e-230 |

| Protein name | Locus Name | Acc# |
|--------------------------------------|-------------|----------|
| immunoreactive 106 kDa antigen PG115 | gp:AF153767 | AF153767 |

Description

Porphyromonas gingivalis strain W50 immunoreactive 106 kDa antigen PG115 gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 16836063_c3_325..... | 3269 | 8491 | 91 | 276 | 298 | 2.3e-26 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:RK27_TOBAC | P30155 |

Description

50S RIBOSOMAL PROTEIN L27, CHLOROPLAST PRECURSOR (CL27)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 17084637_c3_281..... | 3270 | 8492 | 370 | 1113 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 19569032_c2_268 | 3271 | 8493 | 340 | 1023 | 232 | 2.9e-17 |

Protein name

Locus Name

Acc#

sp:GLGA_BACST 008328

Description

SYNTHASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 21893753_f3_136 | 3272 | 8494 | 88 | 267 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 22470938_c3_311 | 3273 | 8495 | 195 | 588 | 238 | 5.3e-20 |

Protein name

Locus Name

Acc#

sp:YODE_MYCTU Q50604

Description

HYPOTHETICAL 18.1 KD PROTEIN RV1829

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23617062_c2_250 | 3274 | 8496 | 398 | 1197 | 668 | 1.4e-65 |

Protein name

Locus Name

Acc#

Hypothetical protein

gp:D90734

Description

Escherichia coli genomic DNA. (22.0 - 22.3 min).

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------------------|------|------|-----------|------------|-------|-------------|
| 24025302_c2_264 | 3275 | 8497 | 763 | 2292 | 1140 | 1.4e-115 |
| Protein name | | | | Locus Name | | Acc# |
| glutamate synthase, beta subunit | | | | pir:H72230 | | H72230 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|------------|-------|-------------|
| 24257807_c1_221 | 3276 | 8498 | 507 | 1524 | | |
| Protein name | | | | Locus Name | | Acc# |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|---------------|-------|-------------|
| 24431587_f2_104 | 3277 | 8499 | 305 | 918 | 893 | 2.1e-89 |
| Protein name | | | | Locus Name | | Acc# |
| | | | | sp:YPGA_PORGI | | Q51834 |
| Description | | | | | | |

HYPOTHETICAL 33.6 KD PROTEIN IN RNHB-PGAA INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|------------|-------|-------------|
| 24648542_f2_106 | 3278 | 8500 | 159 | 480 | | |
| Protein name | | | | Locus Name | | Acc# |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24803137_c3_340 | 3279 | 8501 | 232 | 699 | 272 | 1.3e-23 |

Protein name

Locus Name

sp:Y03M_MYCTU

Acc#

Q10647

Description

HYPOTHETICAL 25.7 KD PROTEIN CY130.22

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24821094_c2_231 | 3280 | 8502 | 263 | 792 | 391 | 1.6e-35 |

Protein name

Locus Name

gp:ATAC006135

Acc#

AC006135

Description

Arabidopsis thaliana chromosome II BAC F24H14 genomic sequence, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 25423461_c1_205..... | 3281 | 8503 | 406 | 1221 | 77 | 0.046 |

Protein name

Locus Name

pir:B70312

Acc#

B70312

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 25506557_f2_90..... | 3282 | 8504 | 389 | 1170 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 25589087_c3_322 | 3283 | 8505 | 176 | 531 | 267 | 4.5e-23 |

Protein name

Locus Name

Acc#

sp:SPR_ECOLI

Description

LIPOPROTEIN SPR PRECURSOR

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26204662_f3_113 | 3284 | 8506 | 466 | 1401 | 593 | 1.3e-57 |

Protein name

Locus Name

Acc#

sp:AMY_METJA

Q59006

Description

PUTATIVE ALPHA-AMYLASE,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26287593_f2_66 | 3285 | 8507 | 61 | 186 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26359703_c2_263 | 3286 | 8508 | 121 | 366 | 206 | 1.3e-16 |

Protein name

Locus Name

Acc#

sp:RL21_HAEIN

P44359

Description

50S RIBOSOMAL PROTEIN L21

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26449224_c1_169 | 3287 | 8509 | 158 | 477 | 266 | 5.7e-23 |

| Protein name | Locus Name | Acc# |
|------------------------------|------------|--------|
| hypothetical protein C11G6.3 | pir:T19201 | T19201 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------|------|------|-----------|-----------|-------|-------------|
| 266000050_f2_103 | 3288 | 8510 | 599 | 1800 | 2475 | 4.7e-257 |

| Protein name | Locus Name | Acc# |
|-----------------------------|-------------|----------|
| heme uptake protein A and B | gp:AF143945 | AF143945 |

Description

Porphyromonas gingivalis heme uptake protein A and B gene, completecds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 29316930_f2_110 | 3289 | 8511 | 646 | 1941 | 416 | 1.2e-35 |

| Protein name | Locus Name | Acc# |
|--|------------|--------|
| sensory transduction histidine kinase slr2098:protein slr2098:protein slr2098 | pir:S75130 | S75130 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 30585005_c2_256 | 3290 | 8512 | 218 | 657 | 227 | 7.7e-19 |

| Protein name | Locus Name | Acc# |
|--------------|-------------|----------|
| Vexp2 | gp:AF140784 | AF140784 |

Description

Streptococcus pneumoniae Vexp1 (vex1), Vexp2 (vex2), Vexp3 (vex3), and P28 (pep27) genes, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 30743760_f2_100 | 3291 | 8513 | 740 | 2223 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 33397137_f2_93 | 3292 | 8514 | 320 | 963 | 780 | 1.9e-77 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

thioredoxin reductase

gp:AF124757

AF124757

Description

Zymomonas mobilis fosmid clone 43D2, complete sequence.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 33476540_c2_248 | 3293 | 8515 | 237 | 714 | 107 | 0.00080 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

hypothetical protein SC66T3.28c

pir:T35385

T35385

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 34261093_c3_276 | 3294 | 8516 | 302 | 909 | 394 | 7.7e-36 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

putative vicilin storage protein

gp:ATAC006135

AC006135

Description

Arabidopsis thaliana chromosome II BAC F24H14 genomic sequence, complete sequence.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 35595442_f1_55 | 3295 | 8517 | 176 | 531 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 35739643_c3_308 | 3296 | 8518 | 74 | 225 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 36132943_c1_170 | 3297 | 8519 | 133 | 402 | 203 | 3.1e-15 |

Protein name Locus Name Acc#

gp:SCYKL202W

Description

S.cerevisiae chromosome XI reading frame ORF YKL202w.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 36225250_f3_112 | 3298 | 8520 | 431 | 1296 | 363 | 4.3e-40 |

Protein name Locus Name Acc#

probable lipopolysaccharide
N-acetylglucosaminyltransferase, rfbU

pir:F64500

F64500

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------|-----------|----------|-------------|
| 3913411_c3_298 | 3299 | 8521 | 819 | 2460 | 1108 | 1.4e-119 |
| Protein name | | | Locus Name | | Acc# | |
| beta-N-acetylglucosaminidase | | | gp:AF072374 | | AF072374 | |
| Description | | | | | | |
| Pseudoalteromonas sp. S9 beta-N-acetylglucosaminidase (chiQ) gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|------------|-----------|-------|-------------|
| 4004010_f1_51 | 3300 | 8522 | 85 | 258 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|------------|-----------|--------|-------------|
| 4022790_f1_2 | 3301 | 8523 | 649 | 1950 | 236 | 1.4e-27 |
| Protein name | | | Locus Name | | Acc# | |
| glycogen debranching enzyme-related protein | | | pir:H75549 | | H75549 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|---------------|-----------|--------|-------------|
| 4085937_c2_241 | 3302 | 8524 | 745 | 2238 | 3767 | 0.0 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:GLNA_BACFR | | P15623 | |
| Description | | | | | | |
| GLUTAMINE SYNTHETASE, (GLUTAMATE--AMMONIA LIGASE) (GS) | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 4104687_c2_260 | 3303 | 8525 | 238 | 717 | 343 | 4.0e-31 |
| Protein name | | | Locus Name | | Acc# | |
| abc transporter, ATP-binding protein PAB1696 | | | pir:H75077 | | H75077 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|--------------|-----------|--------|-------------|
| 4115892_c3_326 | 3304 | 8526 | 427 | 1284 | 879 | 6.3e-88 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:SYS_AQUAE | | 066647 | |
| Description | | | | | | |

SERYL-TRNA SYNTHETASE, (SERINE--TRNA LIGASE) (SERRS)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|---------------|-----------|--------|-------------|
| 4117177_c2_254 | 3305 | 8527 | 232 | 699 | 208 | 8.0e-17 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:YGGJ_HAEIN | | P44627 | |
| Description | | | | | | |

HYPOTHETICAL PROTEIN HI0303

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 4408537_c1_209 | 3306 | 8528 | 496 | 1491 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4490927_c2_238 | 3307 | 8529 | 264 | 795 | 624 | 6.6e-61 |

Protein name

Locus Name

Acc#

sp:YABN_BACSU

P37556

Description

HYPOTHETICAL 56.1 KD PROTEIN IN MFD-DIVIC INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4798203_f1_45 | 3308 | 8530 | 216 | 651 | 108 | 0.0012 |

Protein name

Locus Name

Acc#

sp:Y687_METJA

Q58100

Description

HYPOTHETICAL PROTEIN MJ0687

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 4876507_f1_57..... | 3309 | 8531 | 884 | 2655 | 1890 | 4.6e-195 |

Protein name

Locus Name

Acc#

valine--tRNA ligase,

pir:D72206

D72206

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 4895087_c3_315..... | 3310 | 8532 | 317 | 954 | 289 | 2.1e-25 |

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:F72386

F72386

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4897750_c2_255 | 3311 | 8533 | 526 | 1581 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4944011_f2_105 | 3312 | 8534 | 191 | 576 | 218 | 7.0e-18 |

Protein name Locus Name Acc#

RNA polymerase sigma-E factor pir:B72234 B72234

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 5110962_c2_249 | 3313 | 8535 | 218 | 657 | 230 | 1.3e-17 |

Protein name Locus Name Acc#

DNA helicase 1 pir:T14895 T14895

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 5350265_f1_52 | 3314 | 8536 | 287 | 864 | 209 | 2.2e-34 |

Protein name Locus Name Acc#

sp:RT65_MYXXA P23071

Description

TRANSCRIPTASE) (MX65-RT)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 657555_fl_44 | 3315 | 8537 | 838 | 2517 | 1042 | 9.7e-108 |

Protein name

Locus Name

Acc#

sp:SP3E_BACSU

Description

STAGE III SPORULATION PROTEIN E

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------|------|------|-----------|-----------|-------|-------------|
| 819075_fl_8 | 3316 | 8538 | 134 | 405 | 342 | 5.0e-31 |

Protein name

Locus Name

Acc#

PanD protein

gp:WSAJ3049

AJ003049

Description

Wolinella succinogenes hydD, hyeE, panD and ispA genes; orf102 andorf341.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 822750_fl_3_116 | 3317 | 8539 | 310 | 933 | 593 | 1.3e-57 |

Protein name

Locus Name

Acc#

pantoate--beta-alanine ligase

pir:E72296

E72296

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10552012_c3_265 | 3318 | 8540 | 288 | 867 | 151 | 2.0e-08 |

Protein name

Locus Name

Acc#

PobR

gp:RLU40388

U40388

Description

Rhizobium leguminosarum positive regulator of pobA (pobR) gene, complete cds, and 4-hydroxybenzoate hydroxylase (pobA) gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10597812_c2_233 | 3319 | 8541 | 323 | 972 | 249 | 3.6e-21 |

Protein name

Locus Name

Acc#

hypothetical protein PAB0040

pir:B75194

B75194

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10728380_c3_284 | 3320 | 8542 | 269 | 810 | 138 | 5.6e-07 |

Protein name

Locus Name

Acc#

sp:YA52_HAEIN

P45008

Description

HYPOTHETICAL TRANSCRIPTIONAL REGULATOR HI1052

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10815938_f3_136 | 3321 | 8543 | 165 | 498 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 11928462_f2_82 | 3322 | 8544 | 291 | 876 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 12557692_c3_288 | 3323 | 8545 | 430 | 1293 | 791 | 1.3e-78 |

Protein name

Locus Name

Acc#

hypothetical protein HP0513

pir:A64584

A64584

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|-----|---------|
| 12968877_f1_13 | 3324 | 8546 | 283 | 852 | 204 | 2.1e-16 |
|----------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:FPG_LACLC

P42371

Description

GLYCOSYLASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|------|-----|---------|
| 12978802_c2_218 | 3325 | 8547 | 338 | 1017 | 502 | 5.6e-48 |
|-----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

OprM

gp:AB011381

AB011381

Description

Pseudomonas aeruginosa gene for OprM, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------------|------|------|-----|------|------|----------|
| 13711378_c1_183..... | 3326 | 8548 | 560 | 1683 | 1603 | 1.2e-164 |
|----------------------|------|------|-----|------|------|----------|

Protein name

Locus Name

Acc#

probable pyrophosphate--fructose 6-phosphate
1-phosphotransferase, beta subunit

pir:C71312

C71312

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------------|------|------|-----|------|-----|---------|
| 13867937_c3_254..... | 3327 | 8549 | 968 | 2907 | 149 | 1.5e-05 |
|----------------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

KIAA0738 protein

gp:AB018281

AB018281

Description

Homo sapiens mRNA for KIAA0738 protein, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|------------|-----------|--------|-------------|
| 14644032_f1_19 | 3328 | 8550 | 176 | 531 | 140 | 1.3e-09 |
| Protein name | | | Locus Name | | Acc# | |
| arsenate reductase | | | pir:B70360 | | B70360 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 14867837_c3_255 | 3329 | 8551 | 62 | 189 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|---------------|-----------|-------|-------------|
| 156306_c2_231 | 3330 | 8552 | 395 | 1188 | 802 | 9.1e-80 |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | sp:TRKH_ECOLI | | | |

TRK SYSTEM POTASSIUM UPTAKE PROTEIN TRKH

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|------------|-----------|-------|-------------|
| 156376_c3_253 | 3331 | 8553 | 250 | 753 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|--------|-------------|
| 16603380_c2_247 | 3332 | 8554 | 316 | 951 | 546 | 1.2e-52 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein jhp0462 | | | pir:C71929 | | C71929 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-------------------|-----------|-------|-------------|
| 16832885_f1_16 | 3333 | 8555 | 431 | 1296 | 1723 | 2.3e-177 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| hypothetical protein | | | pir:JQ1020 | | | JQ1020 |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-------------------|-----------|-------|-------------|
| 20447626_c3_285..... | 3334 | 8556 | 134 | 405 | 86 | 0.00069 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| unknown | | | gp:AF025662 | | | AF025662 |
| <u>Description</u> | | | | | | |

Vibrio cholerae lipoprotein (vlpA) and unknown proteins genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-------------------|-----------|-------|-------------|
| 20502012_c3_290..... | 3335 | 8557 | 256 | 771 | 741 | 2.6e-73 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| | | | sp:HIS6_BACSU | | | 034727 |
| <u>Description</u> | | | | | | |

HISF PROTEIN (CYCLASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------|-------------|
| 22459550_f3_174..... | 3336 | 8558 | 186 | 561 | 199 | 7.2e-16 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| RNA polymerase sigma factor SigZ-like protein | | | gp:AF137263 | | | AF137263 |
| <u>Description</u> | | | | | | |

Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucose gene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 22860128_f2_84 | 3337 | 8559 | 83 | 252 | 64 | 0.031 |

Protein name

Locus Name

Acc#

sp:SPRC_XENLA

P36378

Description

(OSTEONECTIN) (ON) (BASEMENT MEMBRANE PROTEIN BM-40)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23445387_c1_197 | 3338 | 8560 | 194 | 585 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 23598385_f3_135..... | 3339 | 8561 | 205 | 618 | 319 | 1.4e-28 |

Protein name

Locus Name

Acc#

hypothetical protein ydeA

pir:C69777

C69777

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24025292_c1_178..... | 3340 | 8562 | 1126 | 3381 | 455 | 3.8e-73 |

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24227211_f1_30 | 3341 | 8563 | 102 | 309 | 229 | 4.8e-19 |

Protein name

Locus Name

Acc#

sp:YGBA_ECOLI

P25728

Description

HYPOTHETICAL 13.9 KD PROTEIN IN PHLA-MUTS INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24257786_f2_114 | 3342 | 8564 | 89 | 270 | 91 | 0.0032 |

Protein name

Locus Name

Acc#

hypothetical protein pX01-90

pir:B59102

B59102

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 24406506_f2_97..... | 3343 | 8565 | 96 | 291 | 131 | 1.2e-08 |

Protein name

Locus Name

Acc#

unknown

gp:LLU80410

U80410

Description

Lactococcus lactis cremoris phosphopentomutase (deoB) and purinenucleoside phosphorylase (deoD) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24647562_c2_223..... | 3344 | 8566 | 287 | 864 | 488 | 1.7e-46 |

Protein name

Locus Name

Acc#

sp:YEGX_ECOLI

Description

HYPOTHETICAL 32.0 KD PROTEIN IN FBAB-THID INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24647760_c3_287 | 3345 | 8567 | 137 | 414 | 157 | 2.0e-11 |

Protein name

Locus Name

Acc#

probable general stress protein 26

pir:D75431

D75431

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24648567_c1_180 | 3346 | 8568 | 302 | 909 | 129 | 0.00044 |

Protein name

Locus Name

Acc#

hypothetical protein SC3A7.16c

pir:T29435

T29435

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26257937_f1_15 | 3347 | 8569 | 360 | 1083 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26384687_c3_258 | 3348 | 8570 | 88 | 267 | 129 | 1.9e-08 |

Protein name

Locus Name

Acc#

hypothetical protein APE0900

pir:D72685

D72685

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26447312_f1_40 | 3349 | 8571 | 73 | 222 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26597066_c1_214 | 3350 | 8572 | 234 | 705 | 445 | 6.1e-42 |

Protein name

Locus Name

Acc#

cell division ATP-binding protein itse

pir:E70919

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 26694091_f3_125..... | 3351 | 8573 | 69 | 210 | 102 | 1.4e-05 |

Protein name

Locus Name

Acc#

hypothetical protein

gp:SSU18930

Y18930

Description

Sulfolobus solfataricus 281 kb genomic DNA fragment, strain P2.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 29406301_c2_230..... | 3352 | 8574 | 128 | 387 | 97 | 0.00048 |

Protein name

Locus Name

Acc#

TRK potassium uptake system protein (trkH)
homolog

pir:G69354

G69354

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 29417562_f2_81..... | 3353 | 8575 | 257 | 774 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 32125280_f3_154 | 3354 | 8576 | 61 | 186 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 33229628_f3_163 | 3355 | 8577 | 65 | 198 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 33369017_c3_286 | 3356 | 8578 | 274 | 825 | 109 | 2.5e-05 |

Protein name

Locus Name

Acc#

probable araC family transcription regulator

pir:T35902

T35902

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 33789127_c1_212 | 3357 | 8579 | 244 | 735 | 455 | 5.4e-43 |

Protein name

Locus Name

Acc#

phosphoribosylformimino-5 aminoimidazole

gp:AB008676

AB008676

Description

Escherichia coli 0157 DNA, map position at 46 min., complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 34084407_f3_158 | 3358 | 8580 | 60 | 183 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 3928385_c1_179 | 3359 | 8581 | 639 | 1920 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4098430_f1_35 | 3360 | 8582 | 395 | 1188 | 656 | 2.7e-64 |

Protein name Locus Name Acc#

putative membrane transport protein. gp:SCC75A AL133220

Description

Streptomyces coelicolor cosmid C75A.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4101550_c1_202 | 3361 | 8583 | 105 | 318 | 208 | 8.0e-17 |

Protein name Locus Name Acc#

hypothetical protein ysdA pir:G69983 G69983

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4175305_f2_72 | 3362 | 8584 | 81 | 246 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 42700_f1_17 | 3363 | 8585 | 247 | 744 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4414677_c2_249 | 3364 | 8586 | 206 | 621 | 540 | 5.3e-52 |

Protein name

Locus Name

Acc#

sp:HIS2_KLEPN

024714

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4459456_c3_268 | 3365 | 8587 | 407 | 1224 | 152 | 3.9e-07 |

Protein name

Locus Name

Acc#

chromosome assembly protein homolog

pir:B70356

B70356

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4723450_f1_8 | 3366 | 8588 | 68 | 207 | 79 | 0.017 |

Protein name

Locus Name

Acc#

hypothetical protein YHR167w

pir:S52609

S52609

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|-----|---------|
| 4875287_c1_211 | 3367 | 8589 | 199 | 600 | 440 | 2.1e-41 |
|----------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:HIS5_ECOLI

P10375

Description

AMIDOTRANSFERASE HISH,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|-----|---------|
| 4878126_c2_251 | 3368 | 8590 | 390 | 1173 | 700 | 5.8e-69 |
|----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

diaminopimelate decarboxylase,

pir:C70404

C70404

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|-----|---------|
| 4885942_c2_250 | 3369 | 8591 | 377 | 1134 | 538 | 8.6e-52 |
|----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

precursor monofunctional aspartokinase

gp:AF135862

AF135862

Description

Glycine max precursor monofunctional aspartokinase mRNA, completecds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|-----|---------|
| 4901562_c2_224 | 3370 | 8592 | 446 | 1341 | 378 | 1.8e-39 |
|----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

cell division inhibitor:protein
slr1223:protein slr1223

pir:S77404

S77404

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|-----|-----|---------|
| 5177305_f1_18 | 3371 | 8593 | 320 | 963 | 738 | 5.5e-73 |
|---------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:YBIN_ECOLI

P75782

Description

HYPOTHETICAL 34.2 KD PROTEIN IN DING-GLNQ INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|-----|-----|---------|
| 5329811_f2_96 | 3372 | 8594 | 303 | 912 | 190 | 2.8e-13 |
|---------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

transcription regulator AraC/XylS family
homolog ydeE

pir:G69777

G69777

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------------|------|------|-----|-----|-----|---------|
| 5875817_c2_240..... | 3373 | 8595 | 256 | 771 | 162 | 6.5e-12 |
|---------------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

mutator protein mutT:hypothetical protein
sll1045:hypothetical protein sll1045

pir:S74508

S74508

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-------------------|------|------|-----|-----|-----|---------|
| 631558_f2_95..... | 3374 | 8596 | 319 | 960 | 226 | 9.9e-19 |
|-------------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:YT29_MYCTU

P71564

Description

PUTATIVE OXIDOREDUCTASE RV0945,

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 800677_c1_184 | 3375 | 8597 | 572 | 1719 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 9.792715_c2_236..... | 3376 | 8598 | 1242 | 3729 | 194 | 2.7e-23 |

Protein name

Locus Name

Acc#

chromosome assembly protein homolog

pir:B70356

B70356

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 9820893_c1_216..... | 3377 | 8599 | 68 | 207 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 12583432_c1_57..... | 3378 | 8600 | 111 | 336 | 146 | 3.0e-10 |

Protein name

Locus Name

Acc#

gp:AB006709

AB006709

Description

Vibrio alginolyticus rpoN gene for RNA polymerase sigma factor N, partial and complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 14508412_c3_77 | 3379 | 8601 | 174 | 525 | 158 | 1.6e-11 |

Protein name

Locus Name

Acc#

sp:RL10_BACSU

P42923

Description

(VEGETATIVE PROTEIN 300) (VEG300)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 19627151_f1_16 | 3380 | 8602 | 196 | 591 | 383 | 2.3e-35 |

Protein name

Locus Name

Acc#

hypothetical protein RP516

pir:F71655

F71655

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 22462765_f3_47 | 3381 | 8603 | 593 | 1782 | 1077 | 6.6e-109 |

Protein name

Locus Name

Acc#

aminopeptidase P

gp:DME131920

AJ131920

Description

Drosophila melanogaster Daminopep-p gene, partial.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 23710302_c2_65 | 3382 | 8604 | 399 | 1200 | 2049 | 6.5e-212 |

Protein name

Locus Name

Acc#

sp:EFTU_BACFR

P33165

Description

ELONGATION FACTOR TU (EF-TU)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|-----|---------|
| 24407752_c2_67 | 3383 | 8605 | 151 | 456 | 442 | 1.3e-41 |
|----------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:RL11_MYCTU

P96931

Description

50S RIBOSOMAL PROTEIN L11

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|--------------|------|------|----|-----|-----|---------|
| 274030_f1_12 | 3384 | 8606 | 95 | 288 | 108 | 3.2e-06 |
|--------------|------|------|----|-----|-----|---------|

Protein name

Locus Name

Acc#

hypothetical protein PH1485

pir:H71023

H71023

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|--------------------|------|------|-----|-----|----|---------|
| 2985637_c1_59..... | 3385 | 8607 | 114 | 345 | 93 | 0.00012 |
|--------------------|------|------|-----|-----|----|---------|

Protein name

Locus Name

Acc#

SecE protein

pir:JE0331

JE0331

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------------|------|------|----|-----|-----|---------|
| 34120287_c3_76..... | 3386 | 8608 | 76 | 231 | 168 | 1.4e-12 |
|---------------------|------|------|----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:RL1_HAEIN

P44342

Description

50S RIBOSOMAL PROTEIN L1

24407752_c2_67

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|-----|---------|
| 36222568_c2_60 | 3387 | 8609 | 410 | 1233 | 390 | 4.1e-36 |
|----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

3-deoxy-manno-octulosonic acid transferase

gp:SMU52844

U52844

Description

Serratia marcescens putative glycosyltransferase, putative glycosyltransferase, putative heptosylIII transferase (waaQ), 3-deoxy-manno-octulosonic acid transferase (waaA), glucosyltransferase (waaE), and KdtB (kdtB) genes, complete cds; and Fpg (fpg) gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|-----|-----|---------|
| 4297002_c2_63 | 3388 | 8610 | 308 | 927 | 507 | 1.7e-48 |
|---------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

tyrosine recombinase XerD

gp:AF093548

AF093548

Description

Staphylococcus aureus tyrosine recombinase XerD (xerD) gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|-----|-----|---------|
| 4472125_c2_66 | 3389 | 8611 | 190 | 573 | 384 | 1.8e-35 |
|---------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

99% identity over 181 amino acids with E. coli

gp:STYSTMF1

AF170176

Description

Salmonella typhimurium fragment STMF1.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|-----|-----|---------|
| 5897507_c2_68 | 3390 | 8612 | 180 | 543 | 463 | 7.6e-44 |
|---------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:RL1_STRSQ

Q07976

Description

50S RIBOSOMAL PROTEIN L1

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 6839052_c1_56 | 3391 | 8613 | 89 | 270 | 138 | 2.1e-09 |

Protein name

Locus Name

Acc#

sp:RS21_BORBU

051271

Description

30S RIBOSOMAL PROTEIN S21

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 781536_c3_78 | 3392 | 8614 | 138 | 417 | 339 | 1.0e-30 |

Protein name

Locus Name

Acc#

sp:RL7_HAEIN

P44348

Description

50S RIBOSOMAL PROTEIN L7/L12

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 9853461_c2_69..... | 3393 | 8615 | 957 | 2871 | 1716 | 1.5e-228 |

Protein name

Locus Name

Acc#

RNA polymerase B-subunit

gp:AF087812

AF087812

Description

Legionella pneumophila RNA polymerase B-subunit (rpoB) gene, complete cds; and RNA polymerase B'-subunit (rpoC) gene, partial cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 14650337_f2_2..... | 3394 | 8616 | 595 | 1788 | 103 | 1.8e-07 |

Protein name

Locus Name

Acc#

unknown

gp:U96771

U96771

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 24415717_f3_4 | 3395 | 8617 | 77 | 234 | 146 | 1.6e-09 |

Protein name

Locus Name

Acc#

sp:SUCC_THEFL

P25126

Description

SUCCINYL-COA SYNTHETASE BETA CHAIN, (SCS-BETA)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 33324216_f2_1 | 3396 | 8618 | 668 | 2007 | 473 | 2.0e-42 |

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:Susc protein

pir:JC6027

JC6027

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 23617128_c1_25..... | 3397 | 8619 | 405 | 1218 | 734 | 1.5e-72 |

Protein name

Locus Name

Acc#

putative hydrolase

gp:SCM11

AL133278

Description

Streptomyces coelicolor cosmid M11.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 24317062_f2_14..... | 3398 | 8620 | 691 | 2076 | 220 | 2.2e-18 |

Protein name

Locus Name

Acc#

hypothetical protein TM0280

pir:F72395

F72395

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 2991276_f3_19 | 3399 | 8621 | 528 | 1587 | 165 | 5.5e-09 |

Protein name

Locus Name

Acc#

gp:BOU15179

U15179

Description

Bacteroides ovatus arabinosidase (asdII) gene, complete cds and putative transketolase, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 31437792_f1_9 | 3400 | 8622 | 244 | 735 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 35837506_c1_20 | 3401 | 8623 | 60 | 183 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 4039086_c1_24 | 3402 | 8624 | 371 | 1116 | 102 | 0.017 |

Protein name

Locus Name

Acc#

endo-α1,5-arabinanase

gp:PFARBA

Y10458

Description

P.fluorescens arbA gene for endo-α1,5-arabinanase.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 10751260_f3_9 | 3403 | 8625 | 740 | 2223 | 842 | 2.2e-89 |

Protein name

Locus Name

Acc#

sp:HLY2_ECOLI

P10089

Description

HEMOLYSIN SECRETION ATP-BINDING PROTEIN, CHROMOSOMAL

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 23635937_f1_2 | 3404 | 8626 | 203 | 612 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 24644135_f1_1 | 3405 | 8627 | 223 | 672 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 24665831_f3_7 | 3406 | 8628 | 239 | 720 | 146 | 4.8e-08 |

Protein name

Locus Name

Acc#

glycosyltransferase

gp:AF146532

AF146532

Description

Klebsiella pneumoniae waa gene cluster.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 33442593_f2_6 | 3407 | 8629 | 208 | 627 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 1347692_f1_1 | 3408 | 8630 | 255 | 768 | 557 | 8.3e-54 |

Protein name

Locus Name

Acc#

sp:ATCS_SYNY3

P73241

Description

CATION-TRANSPORTING ATPASE PACS,

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 48828124_c1_5 | 3409 | 8631 | 67 | 204 | 178 | 9.6e-13 |

Protein name

Locus Name

Acc#

hypothetical protein PFB0225c

pir:E71620

E71620

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 48828124_c2_8 | 3410 | 8632 | 63 | 192 | 168 | 1.2e-11 |

Protein name

Locus Name

Acc#

hypothetical protein PFB0225c

pir:E71620

E71620

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 48828124_c3_10 | 3411 | 8633 | 61 | 186 | 50 | 0.0053 |

Protein name

Locus Name

Acc#

translation initiation factor eIF-2 beta chain

pir:T17104

T17104

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 12587876_c2_118 | 3412 | 8634 | 767 | 2304 | 195 | 2.2e-11 |

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 15040927_c1_80 | 3413 | 8635 | 190 | 573 | 203 | 2.7e-16 |

Protein name

Locus Name

Acc#

sp:YM67_ARCFU

028017

Description

(EC 1.-.-.-)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 15632927_c3_157 | 3414 | 8636 | 240 | 720 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------------|------|------|------------|-----------|-------|-------------|
| 20336010_f2_50 | 3415 | 8637 | 305 | 918 | 132 | 9.8e-06 |
| Protein name | | | Locus Name | | | Acc# |
| endo-1,4-beta-xylanase homolog yjeA | | | pir:G69849 | | | G69849 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|--------------|-----------|-------|-------------|
| 23615882_f2_38 | 3416 | 8638 | 671 | 2016 | 1649 | 1.6e-169 |
| Protein name | | | Locus Name | | | Acc# |
| hypothetical protein | | | gp:PAL243361 | | | AJ243361 |
| Description | | | | | | |
| Prevotella albensis ORF1, isolate M384. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|------------|-----------|-------|-------------|
| 23625277_f3_79 | 3417 | 8639 | 953 | 2862 | 2467 | 3.3e-256 |
| Protein name | | | Locus Name | | | Acc# |
| hypothetical protein | | | pir:S76257 | | | S76257 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|------------|-----------|-------|-------------|
| 23712752_c1_91 | 3418 | 8640 | 737 | 2214 | 1460 | 9.0e-161 |
| Protein name | | | Locus Name | | | Acc# |
| probable copper-transporting ATPase, yvgX | | | pir:E70041 | | | E70041 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 24475400_f1_2 | 3419 | 8641 | 214 | 645 | 138 | 6.4e-08 |

| Protein name | Locus Name | Acc# |
|--------------------|--------------|--------|
| response regulator | gp:PPUY18245 | Y18245 |

Description

Pseudomonas putida todX, todF, todC1, todC2, todB, todA, todD, todE, todG, todI, todH, todS, todT genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 24806562_f1_6 | 3420 | 8642 | 132 | 399 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 25525416_f1_12 | 3421 | 8643 | 318 | 957 | 282 | 8.7e-24 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:XYNB_BUTF1 | P26223 |

Description

D-XYLAN XYLANOHYDROLASE B)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 25567276_c1_90 | 3422 | 8644 | 145 | 438 | 115 | 5.7e-07 |

| Protein name | Locus Name | Acc# |
|---------------------------|------------|--------|
| mercury reductase homolog | pir:I64109 | I64109 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 26281308_f1_15 | 3423 | 8645 | 106 | 321 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 29579692_f2_39 | 3424 | 8646 | 282 | 849 | 102 | 0.023 |

Protein name

Locus Name

Acc#

gp:AF025396

AF025396

Description

Vibrio anguillarum rfb region, partial sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 30276381_f3_61 | 3425 | 8647 | 467 | 1404 | 259 | 2.6e-19 |

Protein name

Locus Name

Acc#

sp:RESE_BACSU

P35164

Description

SENSOR PROTEIN RESE,

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 31883436_c1_93 | 3426 | 8648 | 282 | 849 | 419 | 3.5e-39 |

Protein name

Locus Name

Acc#

lipoate-protein ligase B

gp:AF153678

AF153678

Description

Myxococcus xanthus lipolic acid synthetase precursor, lipoamideacyltransferase, and lipoate-protein ligase B genes, complete cds;and unknown genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 32218816_f3_78 | 3427 | 8649 | 221 | 666 | 370 | 5.4e-34 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | sp:YCBL_ECOLI | | P75849 | |
| <u>Description</u> | | | | | | |
| HYPOTHETICAL 23.8 KD PROTEIN IN MUKB-ASPC INTERGENIC REGION | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|-------------------|-----------|-------------|-------------|
| 33603128_c1_100 | 3428 | 8650 | 129 | 390 | 135 | 4.3e-09 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein PH0362 | | | pir:G71143 | | G71143 | |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------------|-----------|-------------|-------------|
| 34173437_f3_68 | 3429 | 8651 | 296 | 891 | 171 | 9.1e-11 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| regulatory protein | | | gp:AF036244 | | AF036244 | |
| <u>Description</u> | | | | | | |
| Azotobacter chroococcum 4-hydroxybenzoate hydroxylase (pobA) gene, partial cds; and regulatory protein (pobR) gene, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------------|------|------|-------------------|-----------|-------------|-------------|
| 3910880_f2_51 | 3430 | 8652 | 237 | 714 | 230 | 3.7e-19 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | sp:GIDB_BACSU | | P25813 | |
| <u>Description</u> | | | | | | |
| GLUCOSE INHIBITED DIVISION PROTEIN B | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|--------|-------------|
| 504010_f2_44 | 3431 | 8653 | 134 | 405 | 127 | 3.1e-08 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein APE1455 | | | pir:G72624 | | G72624 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------------|------|------|------------|-----------|--------|-------------|
| 6351450_f2_35 | 3432 | 8654 | 338 | 1017 | 650 | 1.2e-63 |
| Protein name | | | Locus Name | | Acc# | |
| transcription regulator NtrC family | | | pir:C70396 | | C70396 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|----------|-------------|
| 6647150_c3_138 | 3433 | 8655 | 158 | 477 | 101 | 0.0015 |
| Protein name | | | Locus Name | | Acc# | |
| chitinase IV precursor | | | gp:AF112966 | | AF112966 | |
| Description | | | | | | |
| Triticum aestivum chitinase IV precursor (Cht4) mRNA, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 10189063_f1_98 | 3434 | 8656 | 433 | 1302 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|------------|-----------|--------|-------------|
| 1051942_f1_25 | 3435 | 8657 | 266 | 801 | 131 | 5.1e-06 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein AF2299 | | | pir:C69537 | | C69537 | |
| Description | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|------------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 10546880_c2_519 | 3436 | 8658 | 221 | 666 | 136 | 3.8e-07 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein PAB0790 | | | pir:H75098 | | H75098 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 10586563_f2_192 | 3437 | 8659 | 304 | 915 | 90 | 0.0014 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | gp:D42067 | | D42067 | |
| <u>Description</u> | | | | | | |

Porphyromonas gingivalis DNA for Fimbrilin, ORF1-4, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 10650701_f1_51 | 3438 | 8660 | 61 | 186 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | | | | |
| <u>Description</u> | | | | | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 10665908_f1_96 | 3439 | 8661 | 302 | 909 | 81 | 0.023 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| L. lactis predicted coding region ORF00061 | | | gp:AE001272 | | AE001272 | |
| <u>Description</u> | | | | | | |

Lactococcus lactis DPC3147 plasmid pMRC01, complete plasmidsequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|------------|-----------|-------|-------------|
| 117142_c2_481 | 3440 | 8662 | 326 | 981 | 304 | 5.4e-27 |
| Protein name | | | Locus Name | | | Acc# |
| hypothetical protein | | | pir:S76925 | | | S76925 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 11834807_c1_346 | 3441 | 8663 | 75 | 228 | | |
| Protein name | | | Locus Name | | | Acc# |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------------|------|------|------------|-----------|-------|-------------|
| 1210252_f2_116 | 3442 | 8664 | 513 | 1542 | 1190 | 7.0e-121 |
| Protein name | | | Locus Name | | | Acc# |
| conserved hypothetical protein ymdA | | | pir:F69884 | | | F69884 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 12110668_c1_418 | 3443 | 8665 | 61 | 186 | | |
| Protein name | | | Locus Name | | | Acc# |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|-------|-------------|
| 12501250_f2_154 | 3444 | 8666 | 251 | 756 | 127 | 3.1e-06 |
| Protein name | | | Locus Name | | | Acc# |
| hypothetical protein PAB1224 | | | pir:A75022 | | | A75022 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|--------|-------------|
| 1253425_f1_38 | 3445 | 8667 | 1445 | 4338 | 822 | 2.9e-79 |
| Protein name | | | Locus Name | | Acc# | |
| DNA helicase related protein | | | pir:H69163 | | H69163 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-------------|-----------|----------|-------------|
| 12612930_c2_546 | 3446 | 8668 | 343 | 1032 | 146 | 1.6e-07 |
| Protein name | | | Locus Name | | Acc# | |
| transmembrane sensor | | | gp:AF051691 | | AF051691 | |
| Description | | | | | | |

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor (fiuI), transmembrane sensor (fiuR), and hydroxamate-type ferrisiderophore receptor (fiuA) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 12697702_f1_17 | 3447 | 8669 | 63 | 192 | | |
| Protein name | | | Locus Name | | Acc# | |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|--------------|-----------|----------|-------------|
| 12770151_f2_141 | 3448 | 8670 | 289 | 870 | 128 | 1.0e-05 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein | | | gp:PST249385 | | AJ249385 | |
| Description | | | | | | |

Pseudomonas stutzeri pilT, pilU, ORF1 (partial) and ORF2 (partial) genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 1360802_f3_306 | 3449 | 8671 | 373 | 1122 | 100 | 0.030 |

Protein name: neurofilament protein H form H2 (repetitive region)

Locus Name: pir:B43427

Acc#: B43427

Description:

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 13884627_f1_93 | 3450 | 8672 | 125 | 378 | 260 | 1.7e-21 |

Protein name:

Locus Name: sp:TRA2_BACFR

Acc#: Q45119

Description: TRANSPOSASE FOR INSERTION SEQUENCE ELEMENT IS21-LIKE

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14344010_c1_391 | 3451 | 8673 | 303 | 912 | 610 | 2.0e-59 |

Protein name: probable ion transporter

Locus Name: pir:E75470

Acc#: E75470

Description:

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 14501300_f1_43 | 3452 | 8674 | 149 | 450 | 71 | 0.040 |

Protein name:

Locus Name: sp:TXMA_DENPO

Acc#: P80494

Description:

MUSCARINIC TOXIN ALPHA (MT-ALPHA)

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 14730202_c3_613 | 3453 | 8675 | 88 | 267 | 99 | 9.4e-05 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|-------------------------------|-------------------|-------------|
| hypothetical protein F13D12.3 | pir:T20831 | T20831 |
| <u>Description</u> | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 14955312_c1_369..... | 3454 | 8676 | 68 | 207 | 78 | 0.012 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | sp:H5_CHICK | P02259 |
| <u>Description</u> | | |

HISTONE H5

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 15105287_f2_174..... | 3455 | 8677 | 85 | 258 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |
| <u>Description</u> | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 16225407_f1_97..... | 3456 | 8678 | 138 | 417 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |
| <u>Description</u> | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 16407262_f3_222 | 3457 | 8679 | 164 | 495 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 16517037_f2_194 | 3458 | 8680 | 61 | 186 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 16525383_f1_99 | 3459 | 8681 | 119 | 360 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 16923417_f3_221 | 3460 | 8682 | 63 | 192 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 189032_f2_161 | 3461 | 8683 | 450 | 1353 | 1085 | 9.3e-110 |

Protein name Locus Name Acc#

O-acetylhomoserine sulphydrylase

pir:D72324

D72324

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 196062_c1_399 | 3462 | 8684 | 227 | 684 | 378 | 7.7e-35 |

Protein name

Locus Name

Acc#

sp:YHID_ECOLI

P26606

Description

HYPOTHETICAL 23.2 KD PROTEIN IN SLP-HDEB INTERGENIC REGION (ORF-C)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 1992011_c1_367 | 3463 | 8685 | 91 | 276 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 20047683_f3_225 | 3464 | 8686 | 478 | 1437 | 772 | 1.4e-76 |

Protein name

Locus Name

Acc#

sp:YKGF_ECOLI

P77536

Description

HYPOTHETICAL 53.1 KD PROTEIN IN EAEH-BETA INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 20712687_c3_604 | 3465 | 8687 | 95 | 288 | 75 | 0.047 |

Protein name

Locus Name

Acc#

hypothetical protein aq_1680

pir:F70445

F70445

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 21534653_c3_651 | 3466 | 8688 | 150 | 453 | 79 | 0.0047 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein Rv0603 | | | pir:F70909 | | F70909 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 21995337_c2_469 | 3467 | 8689 | 543 | 1632 | 227 | 5.5e-18 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein PH0142 | | | pir:D71235 | | D71235 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 22052177_c3_568 | 3468 | 8690 | 300 | 903 | 90 | 0.0014 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | sp:PQRA_PROVU | | Q52620 | |
| <u>Description</u> | | | | | | |
| REGULATORY PROTEIN PQRA | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 22548450_i2_172 | 3469 | 8691 | 63 | 192 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | | | | |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|-------------------|-----------|-------|-------------|
| 23445887_f2_152 | 3470 | 8692 | 281 | 846 | 107 | 0.0025 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| sensory transduction histidine kinase sll1475:protein sll1475:protein sll1475 | | | pir:S76818 | | | S76818 |
| <u>Description</u> | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------------|------|------|-------------------|-----------|-------|-------------|
| 23476512_c1_344 | 3471 | 8693 | 519 | 1560 | 1712 | 3.4e-176 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| propionyl-CoA carboxylase | | | gp:AB007000 | | | AB007000 |
| <u>Description</u> | | | | | | |

Myxococcus xanthus MxppcB gene for propionyl-CoA carboxylase, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-------------------|-----------|-------|-------------|
| 23635902_c1_445 | 3472 | 8694 | 351 | 1056 | 94 | 0.038 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| ORF188 | | | gp:AB000109 | | | AB000109 |
| <u>Description</u> | | | | | | |

Dictyostelium discoideum mitochondrial DNA, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------|------|------|-------------------|-----------|-------|-------------|
| 23838137_c2_547 | 3473 | 8695 | 1094 | 3285 | 300 | 1.0e-47 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | | <u>Acc#</u> |
| receptor antigen (RagA) | | | gp:PGI130872 | | | AJ130872 |
| <u>Description</u> | | | | | | |

Porphyromonas gingivalis W50 receptor antigen (rag) locus encoding a major immunodominant 55kDa antigen.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 241542_f1_86 | 3474 | 8696 | 98 | 297 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------|------|------|-----------|-----------|-------|-------------|
| 242190.77_c1_439..... | 3475 | 8697 | 179 | 540 | 404 | 1.4e-37 |

Protein name

Locus Name

Acc#

RNA polymerase sigma factor SigZ-like protein

gp:AF137263

AF137263

Description

Bacteroides thetaiotaomicron 30S ribosomal protein S16-like protein, fucose gene cluster, and RNA polymerase sigma factor SigZ-like protein (sigZ) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------|------|------|-----------|-----------|-------|-------------|
| 242250.06_c3_666..... | 3476 | 8698 | 769 | 2310 | 1773 | 1.2e-182 |

Protein name

Locus Name

Acc#

hypothetical protein b2463

pir:F65021

F65021

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------|------|------|-----------|-----------|-------|-------------|
| 242253.26_f2_189..... | 3477 | 8699 | 317 | 954 | 122 | 7.2e-06 |

Protein name

Locus Name

Acc#

sp:EXSA_PSEAE

P26993

Description

EXOENZYME S SYNTHESIS REGULATORY PROTEIN EXSA

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24255332_f1_87 | 3478 | 8700 | 770 | 2313 | 504 | 8.9e-48 |

Protein name

Locus Name

Acc#

sp:YBAL_ECOLI

Description

HYPOTHETICAL 59.4 KD PROTEIN IN GSK-FSR INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24258385_c1_412 | 3479 | 8701 | 121 | 366 | 285 | 5.5e-25 |

Protein name

Locus Name

Acc#

arsenate reductase homolog yusI

pir:B70021

B70021

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24260885_c3_570..... | 3480 | 8702 | 68 | 207 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24328338_c1_444..... | 3481 | 8703 | 277 | 834 | 110 | 0.00067 |

Protein name

Locus Name

Acc#

sp:EBA2_FLAME

P36912

Description

(ENDOGLYCOSIDASE F2)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24407150_f2_170 | 3482 | 8704 | 296 | 891 | 157 | 4.0e-09 |

| Protein name | Locus Name | Acc# |
|----------------|--------------|--------|
| pobR regulator | gp:PSEY18527 | Y18527 |

Description

Pseudomonas sp. pobA, pobR, pcaQ, pcaH and pcaG genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24413137_f2_118 | 3483 | 8705 | 194 | 585 | 122 | 2.0e-12 |

| Protein name | Locus Name | Acc# |
|--------------|--------------|--------|
| | sp:PFS_BACSU | O32028 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24414711_c1_333..... | 3484 | 8706 | 394 | 1185 | 521 | 5.4e-50 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:PNCB_ECOLI | P18133 |

Description

NICOTINATE PHOSPHORIBOSYLTRANSFERASE, (NAPRTASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24417062_f3_291..... | 3485 | 8707 | 228 | 687 | 124 | 2.3e-06 |

| Protein name | Locus Name | Acc# |
|------------------------------|------------|--------|
| isochorismatase homolog ywoC | pir:F70064 | F70064 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24494000_f1_20 | 3486 | 8708 | 182 | 549 | 251 | 2.2e-21 |

Protein name

Locus Name

Acc#

sp:YGCF_HAEIN

P45097

Description

HYPOTHETICAL PROTEIN HI1189

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24633462_c3_630 | 3487 | 8709 | 366 | 1101 | 971 | 1.1e-97 |

Protein name

Locus Name

Acc#

sp:YE55_HAEIN

P45213

Description

HYPOTHETICAL PROTEIN HI1455

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 24640885_f1_21..... | 3488 | 8710 | 248 | 747 | 488 | 1.7e-46 |

Protein name

Locus Name

Acc#

hypothetical protein SCF43A.05

pir:T36428

T36428

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 24641512_f2_187..... | 3489 | 8711 | 405 | 1218 | 132 | 6.1e-08 |

Protein name

Locus Name

Acc#

gp:YP102KB

AL031866

Description

Yersinia pestis 102 kbases unstable region: from 1 to 119443.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24645932_c2_477 | 3490 | 8712 | 477 | 1434 | 511 | 6.2e-49 |

Protein name

Locus Name

Acc#

sp:YLCB_ECOLI

P77211

Description

PRECURSOR

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24648387_f3_234 | 3491 | 8713 | 320 | 963 | 578 | 4.9e-56 |

Protein name

Locus Name

Acc#

sp:YNBB_ECOLI

Description

HYPOTHETICAL 33.1 KD PROTEIN IN MAOC-ACPD INTERGENIC REGION

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24650187_f2_131 | 3492 | 8714 | 443 | 1332 | 1119 | 2.3e-113 |

Protein name

Locus Name

Acc#

sp:YICE_ECOLI

P27432

Description

HYPOTHETICAL 48.9 KD PROTEIN IN GLTS-SELC INTERGENIC REGION

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24806512_f2_117 | 3493 | 8715 | 252 | 759 | 569 | 4.4e-55 |

Protein name

Locus Name

Acc#

CGI-32 protein

gp:AF132966

AF132966

Description

Homo sapiens CGI-32 protein mRNA, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24870957_f2_200 | 3494 | 8716 | 291 | 876 | 104 | 0.0042 |

Protein name

Locus Name

Acc#

sp:VG77_BPML5

Q05292

Description

GENE 77 PROTEIN (GP77)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24897892_f2_120 | 3495 | 8717 | 200 | 603 | 119 | 1.2e-05 |

Protein name

Locus Name

Acc#

hypothetical protein HP0137

pir:A64537

A64537

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 25422952_f1_94 | 3496 | 8718 | 165 | 498 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26257687_f3_254 | 3497 | 8719 | 505 | 1518 | 107 | 0.0052 |

Protein name

Locus Name

Acc#

fibroin heavy chain PG-2'

pir:B61615

B61615

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26260191_c1_421 | 3498 | 8720 | 60 | 183 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 26287817_f2_146 | 3499 | 8721 | 78 | 237 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 26369387_f3_244 | 3500 | 8722 | 128 | 387 | 83 | 0.013 |

Protein name

Locus Name

Acc#

putative integral membrane protein

gp:SC51A

AL121596

Description

Streptomyces coelicolor cosmid 51A.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 26439037_c1_370 | 3501 | 8723 | 80 | 243 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 26815936_f1_60 | 3502 | 8724 | 373 | 1122 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26853838_f2_114 | 3503 | 8725 | 138 | 417 | 93 | 0.00012 |

Protein name

Locus Name

Acc#

vacuolar type ATP synthase subunit

gp:D63799

D63799

Description

Thermus thermophilus genes, Operon of Vacuolar type ATP synthase subunit, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 2931593_f2_126 | 3504 | 8726 | 390 | 1173 | 202 | 9.2e-13 |

Protein name

Locus Name

Acc#

115K outer membrane protein precursor:SusC protein

pir:JC6027

JC6027

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 29390682_f2_140..... | 3505 | 8727 | 311 | 936 | 117 | 0.00023 |

Protein name

Locus Name

Acc#

unknown

gp:AF175293

AF175293

Description

Enterococcus faecium strain N97-330 vanD glycopeptide resistance gene cluster, complete cds; and unknown gene.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 29486512_f1_49..... | 3506 | 8728 | 552 | 1659 | 360 | 1.2e-32 |

Protein name

Locus Name

Acc#

cation efflux system protein

pir:C71831

C71831

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 30275287_c3_674 | 3507 | 8729 | 394 | 1185 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 30351687_f1_76 | 3508 | 8730 | 511 | 1536 | 1766 | 6.4e-182 |

Protein name

Locus Name

Acc#

sp:IMDH_TRIFO

P50097

Description

DEHYDROGENASE) (IMPDH) (IMPD)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 30470408_f2_171 | 3509 | 8731 | 110 | 333 | 196 | 1.5e-15 |

Protein name

Locus Name

Acc#

hypothetical protein SC5F2A.08c

pir:T35250

T35250

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 31914013_f1_36 | 3510 | 8732 | 435 | 1308 | 544 | 2.0e-52 |

Protein name

Locus Name

Acc#

hypothetical protein MTH1458

pir:B69061

B69061

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 32110150_c1_438 | 3511 | 8733 | 82 | 249 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 32422050_f2_130 | 3512 | 8734 | 246 | 741 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 32507687_c3_639 | 3513 | 8735 | 703 | 2112 | 196 | 1.9e-26 |

Protein name

Locus Name

Acc#

sp:Y634_METJA

Q58051

Description

HYPOTHETICAL PROTEIN MJ0634

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 33600625_c1_426 | 3514 | 8736 | 134 | 405 | 217 | 8.9e-18 |

Protein name

Locus Name

Acc#

sp:YBAN_ECOLI

Description

HYPOTHETICAL 14.8 KD PROTEIN IN PRIC-APT INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 33767187_f2_191 | 3515 | 8737 | 404 | 1215 | 96 | 0.016 |

Protein name

Locus Name

Acc#

probable glycine-rich secreted protein

pir:T36291

T36291

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 33789067_c2_486 | 3516 | 8738 | 777 | 2334 | 95 | 4.6e-06 |

Protein name
 conserved hypothetical protein AF1017

Locus Name
 pir:A69377

Acc#
 A69377

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 33875836_c3_609 | 3517 | 8739 | 316 | 951 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 34173188_c3_577 | 3518 | 8740 | 170 | 513 | 149 | 1.4e-14 |

Protein name

Locus Name

Acc#

Description
 methylmalonyl-coa decarboxylase gamma chain
 PAB1771

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 34179812_c1_436 | 3519 | 8741 | 449 | 1350 | 2234 | 1.6e-231 |

Protein name

Locus Name

Acc#

Description
 (NAD(P)H-DEPENDENT GLUTAMATE DEHYDROGENASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 34254662_c2_488 | 3520 | 8742 | 294 | 885 | 129 | 1.2e-05 |

| Protein name | Locus Name | Acc# |
|-----------------------------------|-------------|--------|
| microfilarial sheath protein SHP3 | gp:LSU54556 | U54556 |

Description

Litomosoides sigmodontis microfilarial sheath protein SHP3a (shp3a) and microfilarial sheath protein SHP3 (shp3) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 34495216_c1_355 | 3521 | 8743 | 936 | 2811 | 1593 | 1.4e-163 |

| Protein name | Locus Name | Acc# |
|--|------------|--------|
| acriflavin resistance protein acrF:protein slr2131:protein slr2131 | pir:S75508 | S75508 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 36132761_f2_115 | 3522 | 8744 | 102 | 309 | 83 | 0.0014 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:YGFE_ECOLI | P45580 |

Description

HYPOTHETICAL 12.6 KD PROTEIN IN PEPP-SSR INTERGENIC REGION (OI09)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 36445812_g3_605 | 3523 | 8745 | 185 | 558 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 36525343_F3_309 | 3524 | 8746 | 96 | 291 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 3928885_c1_354..... | 3525 | 8747 | 142 | 429 | 336 | 3.7e-29 |

Protein name

Locus Name

Acc#

CeoB

gp:BCU97042

U97042

Description

Burkholderia cepacia CeoA (ceoA) and CeoB (ceoB) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 3946052_c3_586..... | 3526 | 8748 | 374 | 1125 | 392 | 2.5e-36 |

Protein name

Locus Name

Acc#

SmeA

gp:AF173226

AF173226

Description

Stenotrophomonas maltophilia multidrug efflux system SmeR (smeR), SmeS (smeS), SmeA (smeA), SmeB (smeB), and SmeC (smeC) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 3949052_f1_35..... | 3527 | 8749 | 61 | 186 | 95 | 7.5e-05 |

Protein name

Locus Name

Acc#

histone H1-like protein

pir:JH0658

JH0658

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 3961641_f3_308 | 3528 | 8750 | 226 | 681 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4064375_f2_190 | 3529 | 8751 | 411 | 1236 | 157 | 2.4e-08 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|-------------|-------------|----------|
| transposase | gp:AF038866 | AF038866 |
|-------------|-------------|----------|

Description

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4100342_f2_193 | 3530 | 8752 | 65 | 198 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4100917_c2_537 | 3531 | 8753 | 393 | 1182 | 144 | 8.7e-14 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|----------------------------|------------|--------|
| hypothetical protein RP338 | pir:D71690 | D71690 |
|----------------------------|------------|--------|

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4103438_c2_465 | 3532 | 8754 | 507 | 1524 | 1314 | 5.0e-134 |

Protein name
Description

Locus Name Acc#
 sp:ACCC_METJA Q58626

CARBOXYLASE,) (ACC)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4105152_c3_583 | 3533 | 8755 | 110 | 333 | | |

Protein name
Description

Locus Name Acc#

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 4115925_c1_405..... | 3534 | 8756 | 462 | 1389 | 1234 | 1.5e-125 |

Protein name
Description

Locus Name Acc#
 sp:ALST_BACSU Q45068

AMINO ACID CARRIER PROTEIN ALST

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 4116561_c2_485..... | 3535 | 8757 | 63 | 192 | | |

Protein name
Description

Locus Name Acc#

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|-------|-------------|
| 4144005_f1_44 | 3536 | 8758 | 1255 | 3768 | 957 | 2.8e-173 |
| Protein name | | | Locus Name | | | Acc# |
| cation efflux system (AcrB/AcrD/AcrF family) | | | pir:G70396 | | | G70396 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------------------|------|------|------------|-----------|-------|-------------|
| 4151510_f3_226 | 3537 | 8759 | 293 | 882 | 414 | 1.2e-38 |
| Protein name | | | Locus Name | | | Acc# |
| pyridoxal kinase (pdxK) homolog | | | pir:G70195 | | | G70195 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|-------|-------------|
| 422962_c1_361 | 3538 | 8760 | 377 | 1134 | 145 | 1.0e-06 |
| Protein name | | | Locus Name | | | Acc# |
| N-acetylmuramoyl-L-alanine amidase homolog | | | pir:H70177 | | | H70177 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|------------|-----------|-------|-------------|
| 4337540_f1_57 | 3539 | 8761 | 106 | 321 | | |
| Protein name | | | Locus Name | | | Acc# |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 4345932_c1_331 | 3540 | 8762 | 62 | 189 | | |
| Protein name | | | Locus Name | | | Acc# |
| Description | | | | | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-------------------------|--|-------------|----------------------------|----------------------------|--------------|--------------------|
| 4509682...c2...524..... | 3542 | 8764 | 197 | 594 | 136 | 3.4e-09 |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| unknown | gp:AF088897 | | | | | |
| <u>Description</u> | Zymomonas mobilis cosmid clone 65G3, partial sequence. | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------------|-------------|-------------|----------------------------|----------------------------|-------------------|--------------------|
| 4572126..C2..520..... | 3543 | 8765 | 213 | 642 | | |
| <u>Protein name</u> | | | | | <u>Locus Name</u> | <u>Acc#</u> |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------------------------|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 4.725056_E3_224..... | 3544 | 8766 | 117 | 354 | 176 | 2.0e-13 |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| conserved hypothetical protein aq_853 | pir:A70374 | | | | A70374 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT</u> <u>Length</u> | <u>AA</u> <u>Length</u> | <u>Score</u> | <u>Probability</u> |
|------------------------|-------------|-------------|----------------------------|----------------------------|--------------|--------------------|
| 506502...c1...443..... | 3545 | 8767 | 551 | 1656 | | |
| <u>Protein name</u> | | | | <u>Locus Name</u> | | <u>Acc#</u> |
| <u>Description</u> | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 5273588_f3_235 | 3546 | 8768 | 226 | 681 | 142 | 1.4e-08 |
| Protein name | | | Locus Name | | Acc# | |
| 2-acylglycerophosphoethanolamine acyltransferase | | | pir:E70476 | | E70476 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 5937505_c1_345 | 3547 | 8769 | 76 | 231 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | NO-HIT | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|--------|-------------|
| 594753_f3_245 | 3548 | 8770 | 532 | 1599 | 552 | 3.4e-52 |
| Protein name | | | Locus Name | | Acc# | |
| DNA helicase related protein | | | pir:H69163 | | H69163 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 6145427_f2_186 | 3549 | 8771 | 69 | 210 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | NO-HIT | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 6845262_c2_527 | 3550 | 8772 | 614 | 1845 | 1053 | 2.3e-106 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:YFBK_ECOLI | P76481 |

Description

HYPOTHETICAL 63.6 KD PROTEIN IN ELAD-NUON INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 7034587_f3_305 | 3551 | 8773 | 104 | 315 | 81 | 0.0058 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:ZN90_HUMAN | Q03938 |

Description

ZINC FINGER PROTEIN 90 (ZINC FINGER PROTEIN HTF9) (FRAGMENT)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 9452...f3...236..... | 3552 | 8774 | 191 | 576 | 174 | 3.2e-13 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:RPSH_PSEAE | Q06198 |

Description

RNA POLYMERASE SIGMA-H FACTOR (SIGMA-30)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 10238542_c3_212..... | 3553 | 8775 | 107 | 324 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 11744515_f2_54 | 3554 | 8776 | 577 | 1734 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 1270751_g2_173 | 3555 | 8777 | 64 | 195 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 13675401_g3_218 | 3556 | 8778 | 161 | 486 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 13875343_f1_29 | 3557 | 8779 | 400 | 1203 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 156662_f3_62 | 3558 | 8780 | 107 | 324 | 201 | 4.4e-16 |

Protein name

Locus Name

Acc#

sp:DBH_BACST

Description

DNA-BINDING PROTEIN II (HB) (HU)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------|------|------|-----------|-----------|-------|-------------|
| 18891_f3_74 | 3559 | 8781 | 612 | 1839 | 1158 | 1.7e-117 |

Protein name

Locus Name

Acc#

sp:SYR_TREPA

083803

Description

ARGINYL-TRNA SYNTHETASE, (ARGININE--TRNA LIGASE) (ARGRS)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 19633590_f3_94 | 3560 | 8782 | 450 | 1353 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 20360282_c1_111 | 3561 | 8783 | 68 | 207 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------------------|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 22853411_c1_127 | 3562 | 8784 | 366 | 1101 | 75 | 0.037 |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| hypothetical protein SC6E10.19c | pir:T35506 | | | | T35506 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 23555312_c2_169 | 3563 | 8785 | 85 | 258 | | |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| <u>Description</u> | | | | | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------------------------|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 23625188_f1_34 | 3564 | 8786 | 608 | 1827 | 1638 | 2.3e-168 |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| hemolysin erythrocyte lysis protein 2 | gp:AF052516 | | | | AF052516 | |
| <u>Description</u> | | | | | | |

Prevotella intermedia hemolysin hemolytic protein, hemolysin erythrocyte lysis protein 1, and hemolysin erythrocyte lysis protein 2 genes, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------------|-------------|------------------|------------------|--------------|--------------------|
| 2364687_c2_175 | 3565 | 8787 | 154 | 465 | | |
| <u>Protein name</u> | <u>Locus Name</u> | | | | <u>Acc#</u> | |
| <u>Description</u> | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23710877_c2_174 | 3566 | 8788 | 1011 | 3036 | 942 | 1.3e-94 |

| Protein name | Locus Name | Acc# |
|---------------------------------|-------------|----------|
| protein-export membrane protein | gp:AB022865 | AB022865 |

Description

Prevotella ruminicola genes for polygalacturonase, xylosidase, protein-export membrane protein, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 23925627_c3_195 | 3567 | 8789 | 82 | 249 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24023500_f1_33 | 3568 | 8790 | 493 | 1482 | 193 | 5.2e-13 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:Y907_METJA | Q58317 |

Description

HYPOTHETICAL PROTEIN MJ0907

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24298390_f2_56 | 3569 | 8791 | 126 | 381 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24398412_c3_207 | 3570 | 8792 | 334 | 1005 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24415877_c1_119 | 3571 | 8793 | 1003 | 3012 | 152 | 2.2e-07 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|--|------------|--------|
| conserved hypothetical protein aq_1896 | pir:E70463 | E70463 |
|--|------------|--------|

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24429643_c3_206 | 3572 | 8794 | 801 | 2406 | 1069 | 2.5e-141 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|-----------------|-------------|----------|
| topoisomerase I | gp:AF088896 | AF088896 |
|-----------------|-------------|----------|

Description

Zymomonas mobilis fosmid clone 42C11, complete sequence.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24642836_c1_120 | 3573 | 8795 | 569 | 1710 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24650377_F1_31 | 3574 | 8796 | 436 | 1311 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24650377_F2_57 | 3575 | 8797 | 436 | 1311 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 29346012_F3_97 | 3576 | 8798 | 411 | 1236 | 105 | 0.011 |

Protein name

Locus Name

Acc#

rRNA methylase (SpoU family) (OO, TP)
PFB0855c

pir:B71604

B71604

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 29406680_c1_109 | 3577 | 8799 | 126 | 381 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 29695387_F3_93 | 3578 | 8800 | 399 | 1200 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 30084687_f2_59 | 3579 | 8801 | 428 | 1287 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 30507138_f1_2 | 3580 | 8802 | 561 | 1686 | 112 | 0.038 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|----------------------|------------|--------|
| submaxillary mucin 1 | pir:T42233 | T42233 |
|----------------------|------------|--------|

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 34256561_c3_213 | 3581 | 8803 | 228 | 687 | 146 | 1.5e-21 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|-----------------------|------------|--------|
| probable glpG protein | pir:D71258 | D71258 |
|-----------------------|------------|--------|

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 35267555_c1_126 | 3582 | 8804 | 309 | 930 | 177 | 3.2e-13 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|-----------------------|------------|--------|
| probable glpG protein | pir:D71258 | D71258 |
|-----------------------|------------|--------|

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 35582908_c2_182 | 3583 | 8805 | 77 | 234 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 36207937_f1_1 | 3584 | 8806 | 489 | 1470 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 395662_c1_118 | 3585 | 8807 | 189 | 570 | 151 | 8.8e-11 |

Protein name

Locus Name

Acc#

mutator protein mutT

pir:D64443

D64443

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4103377_f3_98 | 3586 | 8808 | 207 | 621 | 177 | 4.6e-20 |

Protein name

Locus Name

Acc#

lic-1 protein D

pir:E64128

E64128

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 441500_f2_42 | 3587 | 8809 | 77 | 234 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4694011_f3_73 | 3588 | 8810 | 99 | 300 | 272 | 1.3e-23 |

Protein name

Locus Name

Acc#

sp:DBH_BACST

Description

DNA-BINDING PROTEIN II (HB) (HU)

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 5260952_f1_32 | 3589 | 8811 | 426 | 1281 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 5860750_f1_27 | 3590 | 8812 | 100 | 303 | 73 | 0.023 |

Protein name

Locus Name

Acc#

sp:YM25_YEAST

P40219

Description

HYPOTHETICAL 16.4 KD PROTEIN IN TIF34-SWP1 INTERGENIC REGION

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 5937825_f2_38 | 3591 | 8813 | 107 | 324 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 6914530_c3_202 | 3592 | 8814 | 69 | 210 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 7134587_f2_36 | 3593 | 8815 | 1022 | 3069 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 10555337_f1_16 | 3594 | 8816 | 233 | 702 | 202 | 5.1e-16 |

Protein name

Locus Name

Acc#

glycosyl transferase

gp:SPAJ6986

AJ006986

Description

Streptococcus pneumoniae type 33F DNA, capsular gene cluster.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 10572281_c1_271 | 3595 | 8817 | 254 | 765 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 10599062_f2_97 | 3596 | 8818 | 94 | 285 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|------|-----|---------|
| 10740936_f3_233 | 3597 | 8819 | 627 | 1884 | 292 | 7.6e-24 |
|-----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

serine/threonine protein kinase related protein

pir:H69064

H69064

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|-----|--|--|
| 11723437_f2_138 | 3598 | 8820 | 307 | 924 | | |
|-----------------|------|------|-----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|-----|-----|---------|
| 11984410_c3_488 | 3599 | 8821 | 258 | 777 | 460 | 1.6e-43 |
|-----------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

hypothetical protein

gp:SAURED

Y09927

Description

Staphylococcus aureus glmM gene cluster.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|-----|-----|-----|---------|
| 1250280_f1_25 | 3600 | 8822 | 157 | 474 | 203 | 2.7e-16 |
|---------------|------|------|-----|-----|-----|---------|

Protein name

Locus Name

Acc#

sp:YOHJ_ECOLI

P33372

Description

HYPOTHETICAL 14.6 KD PROTEIN IN PBPB-CDD INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 12538406_f3_242 | 3601 | 8823 | 633 | 1902 | 454 | 6.8e-43 |

Protein name

Locus Name

Acc#

sp:YFEW_ECOLI

P77619

Description

HYPOTHETICAL 47.8 KD PROTEIN IN UCPA-AMIA INTERGENIC REGION PRECURSOR

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 12673751_f2_171 | 3602 | 8824 | 110 | 330 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 1351375_c3_464 | 3603 | 8825 | 82 | 249 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 13709431_c2_416 | 3604 | 8826 | 137 | 414 | 150 | 1.1e-10 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:S76920

S76920

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 13808507_f1_45 | 3605 | 8827 | 307 | 924 | 177 | 3.1e-13 |

Protein name

Locus Name

Acc#

comEA protein-related protein

pir:F72301

F72301

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14257802_f3_240 | 3606 | 8828 | 391 | 1176 | 127 | 2.1e-13 |

Protein name: hypothetical protein

Locus Name: pir:G75375

Acc#: G75375

Description:

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14459691_c2_408 | 3607 | 8829 | 237 | 714 | 106 | 0.0065 |

Protein name: triadin isoform 3

Locus Name: gp:AF165917

Acc#: AF165917

Description: Canis familiaris triadin isoform 3 mRNA, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14500800_c2_415 | 3608 | 8830 | 399 | 1200 | | |

Protein name:

Locus Name:

Acc#:

Description: NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 15681530_c3_444 | 3609 | 8831 | 295 | 888 | 246 | 5.7e-31 |

Protein name:

Locus Name: sp:CCSA_TOBAC

Acc#: P12216

Description: CYTOCHROME C BIOGENESIS PROTEIN CCSA

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 15713262_c3_456 | 3610 | 8832 | 71 | 216 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 157788_f2_91 | 3611 | 8833 | 263 | 792 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 16289086_f3_259 | 3612 | 8834 | 309 | 930 | 129 | 3.4e-05 |

Protein name

Locus Name

Acc#

interphotoreceptor retinoid-binding protein

gp:DRRNAIRBP

X85957

Description

Danio rerio mRNA for interphotoreceptor retinoid-binding protein.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 16804510_c3_471 | 3613 | 8835 | 79 | 240 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 19547890_f1_5 | 3614 | 8836 | 370 | 1113 | 188 | 8.2e-17 |

Protein name

Locus Name

Acc#

sp:OTC_ARCFU

029013

Description

ORNITHINE CARBAMOYLTRANSFERASE, (OTCASE)

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 19727333_c3_491 | 3615 | 8837 | 208 | 627 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 20134428_f3_255..... | 3616 | 8838 | 139 | 420 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 20312527_f2_165..... | 3617 | 8839 | 297 | 894 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 21913177_c3_446 | 3618 | 8840 | 255 | 768 | 153 | 7.6e-11 |

| Protein name | Locus Name | Acc# |
|-------------------------------------|------------|--------|
| transcription regulator, crp family | pir:F72285 | F72285 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 21961513_f2_145 | 3619 | 8841 | 456 | 1371 | 861 | 5.1e-86 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:YBBC_BACSU | P40407 |

Description

(ORF2)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 21989375_f2_128 | 3620 | 8842 | 443 | 1332 | 619 | 2.2e-60 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:MURF_BACSU | P96613 |

Description

(D-ALANYL-D-ALANINE-ADDING ENZYME)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 22062501_f3_175 | 3621 | 8843 | 287 | 864 | 414 | 1.2e-38 |

| Protein name | Locus Name | Acc# |
|--------------------|------------|--------|
| glutamate racemase | pir:B70329 | B70329 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|--------------|------|------|-----|------|-----|---------|
| 22136_f2_129 | 3622 | 8844 | 459 | 1380 | 948 | 3.1e-95 |
|--------------|------|------|-----|------|-----|---------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

| | | |
|---|------------|--------|
| sodium-dependent transporter homolog yocr | pir:D69902 | D69902 |
|---|------------|--------|

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|------|------|-----|---------|
| 22460312_f1_54 | 3623 | 8845 | 1121 | 3366 | 461 | 1.5e-66 |
|----------------|------|------|------|------|-----|---------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

| | | |
|--|------------|--------|
| 115K outer membrane protein precursor:SusC protein | pir:JC6027 | JC6027 |
|--|------------|--------|

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|-----|--|--|
| 22900257_c2_355 | 3624 | 8846 | 175 | 528 | | |
|-----------------|------|------|-----|-----|--|--|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|------|------|----------|
| 23484750_f3_257 | 3625 | 8847 | 893 | 2682 | 1179 | 1.0e-119 |
|-----------------|------|------|-----|------|------|----------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

| | |
|---------------|--------|
| sp:PARC_BORBU | 051066 |
|---------------|--------|

Description

TOPOISOMERASE IV SUBUNIT A,

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23721906_c3_472 | 3626 | 8848 | 111 | 336 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23930318_f3_172 | 3627 | 8849 | 839 | 2520 | 407 | 1.9e-38 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|------------------------------|-------------|----------|
| outer membrane protein Omp85 | gp:AF021245 | AF021245 |
|------------------------------|-------------|----------|

Description

Neisseria meningitidis outer membrane protein Omp85 (omp85) gene, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23932786_f3_258 | 3628 | 8850 | 297 | 894 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 23957950_f1_38 | 3629 | 8851 | 702 | 2109 | 353 | 1.0e-28 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|----------------------|-------------|----------|
| two component sensor | gp:AF030352 | AF030352 |
|----------------------|-------------|----------|

Description

Pseudomonas aeruginosa two component sensor (IemA) gene, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24019053_f2_101 | 3630 | 8852 | 89 | 270 | 169 | 1.1e-12 |

| Protein name | Locus Name | Acc# |
|--------------------|------------|--------|
| DNA repair protein | pir:H72239 | H72239 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24025277_f2_100 | 3631 | 8853 | 141 | 426 | 189 | 8.2e-15 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:RADC_BACSU | Q02170 |

Description

DNA REPAIR PROTEIN RADC HOMOLOG (ORFB)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24025316_c3_439 | 3632 | 8854 | 184 | 555 | 171 | 1.1e-15 |

| Protein name | Locus Name | Acc# |
|----------------------------------|-------------|----------|
| immunoreactive 30kD antigen PG44 | gp:AF175717 | AF175717 |

Description

Porphyromonas gingivalis strain W50 immunoreactive 30kD antigenPG44 gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 24026552_f1_67 | 3633 | 8855 | 286 | 861 | 607 | 4.2e-59 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:YFEU_HAEIN | P44862 |

Description

HYPOTHETICAL PROTEIN HI0754

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|-----|----|-------|
| 24270327_c3_498 | 3634 | 8856 | 265 | 798 | 98 | 0.019 |
|-----------------|------|------|-----|-----|----|-------|

Protein name

Locus Name

Acc#

unknown

gp:AF049236

AF049236

Description

Arabidopsis thaliana putative transmembrane protein Glp (AtG1), putative nuclear DNA-binding protein G2p (AtG2), Eml protein (ATEM1), putative chlorophyll synthetase (AtG4), putative transmembrane protein G5p (AtG5), putative acyl-coA dehydrogenase (AtG6), and calcium dependent protein kinase genes, complete cds; and unknown genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|----|-----|--|--|
| 24415892_c3_489 | 3635 | 8857 | 76 | 231 | | |
|-----------------|------|------|----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|------|------|----------|
| 24470300_c3_500 | 3636 | 8858 | 404 | 1215 | 1234 | 1.5e-125 |
|-----------------|------|------|-----|------|------|----------|

Protein name

Locus Name

Acc#

acetate kinase

pir:H72397

H72397

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|------|-----|---------|
| 24641933_f2_142 | 3637 | 8859 | 490 | 1473 | 167 | 9.9e-10 |
|-----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

glycosyl transferase PAB0772

pir:B75096

B75096

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24648257_f3_205 | 3638 | 8860 | 233 | 702 | 449 | 2.3e-42 |

Protein name

Locus Name

Acc#

sp:YOHK_ECOLI

P33373

Description

HYPOTHETICAL 24.5 KD PROTEIN IN PBPG-CDD INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 24804562_f3_229 | 3639 | 8861 | 341 | 1026 | 968 | 2.3e-97 |

Protein name

Locus Name

Acc#

aspartate-semialdehyde dehydrogenase,

pir:B70461

B70461

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 25494017_f3_235 | 3640 | 8862 | 470 | 1413 | 259 | 2.1e-24 |

Protein name

Locus Name

Acc#

amidase enhancer

gp:AB017194

AB017194

Description

Plectonema boryanum ORF270, proline iminopeptidase, ferredoxin andamidase enhancer genes, complete and partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26359827_c3_476 | 3641 | 8863 | 242 | 729 | 365 | 1.8e-33 |

Protein name

Locus Name

Acc#

sp:YGDL_ECOLI

Q46927

Description

HYPOTHETICAL 28.6 KD PROTEIN IN GCVA-MLTA INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26364591_c3_512 | 3642 | 8864 | 61 | 186 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26594061_c2_354 | 3643 | 8865 | 495 | 1488 | 814 | 4.2e-122 |

Protein name

Locus Name

Acc#

sp:NRFA_HAEIN

P45017

Description

CYTOCHROME C552 PRECURSOR

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26595877_c3_487 | 3644 | 8866 | 323 | 972 | 707 | 1.1e-69 |

Protein name

Locus Name

Acc#

sp:YBAS_ECOLI

P77454

Description

HYPOTHETICAL 32.9 KD PROTEIN IN USHA-TESA INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 26601586_c2_395 | 3645 | 8867 | 288 | 867 | 553 | 2.2e-53 |

Protein name

Locus Name

Acc#

dihydropteroate synthase

pir:E72425

E72425

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|-----------------|------|------|----|-----|--|--|
| 29414003_f2_118 | 3646 | 8868 | 70 | 213 | | |
|-----------------|------|------|----|-----|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|-----------------|------|------|-----|------|-----|---------|
| 29478385_c1_227 | 3647 | 8869 | 712 | 2139 | 703 | 3.0e-79 |
|-----------------|------|------|-----|------|-----|---------|

Protein name

Locus Name

Acc#

hypothetical protein

pir:S76532

S76532

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|----------------|------|------|-----|------|------|----------|
| 29882802_f1_65 | 3648 | 8870 | 969 | 2910 | 1636 | 3.8e-168 |
|----------------|------|------|-----|------|------|----------|

Protein name

Locus Name

Acc#

d-lactate dehydrogenase

pir:A71843

A71843

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|

| | | | | | | |
|-----------------|------|------|-----|------|--|--|
| 30120267_c1_316 | 3649 | 8871 | 385 | 1158 | | |
|-----------------|------|------|-----|------|--|--|

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 30261425_f3_231 | 3650 | 8872 | 600 | 1803 | 96 | 1.3e-05 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| unknown | gp:U96771 | U96771 |

Description

Prevotella bryantii putative polygalacturonase, B-1,4-endoglucanase, and mannanase genes, complete cds; and unknown genes.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 3156927_c3_499 | 3651 | 8873 | 341 | 1026 | 859 | 8.3e-86 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|-----------------------|-------------------|-------------|
| phosphotransacetylase | gp:TTAJ4870 | AJ004870 |

Description

Thermoanaerobacterium thermosaccharolyticum ptaA and ackA genes, orf1, orf2, orf3, orf4.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 31881508_c1_298 | 3652 | 8874 | 237 | 714 | 541 | 4.1e-52 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| ABC transporter | pir:B70327 | B70327 |

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 33211586_c3_506 | 3653 | 8875 | 328 | 987 | 429 | 6.3e-45 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | sp:DDL_HAEIN | P44405 |

Description

D-ALANINE--D-ALANINE LIGASE, (D-ALANYLALANINE SYNTHETASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 33406262_c3_440 | 3654 | 8876 | 171 | 516 | 238 | 5.3e-20 |

Protein name

Locus Name

Acc#

nimB protein

pir:I40183

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 33675253_f2_127 | 3655 | 8877 | 450 | 1353 | 186 | 1.4e-11 |

Protein name

Locus Name

Acc#

NorA

gp:AB019536

AB019536

Description

Staphylococcus aureus norA23 gene for NorA, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 34023425_c3_486 | 3656 | 8878 | 486 | 1461 | 1130 | 1.6e-114 |

Protein name

Locus Name

Acc#

glutamate decarboxylase:protein
sll1641:protein sll1641

pir:S75150

S75150

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34069067_f2_98 | 3657 | 8879 | 192 | 579 | 929 | 3.2e-93 |

Protein name

Locus Name

Acc#

sp:EFB_BACFR

P70889

Description

ELONGATION FACTOR P (EF-P)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|------------|-----------|--------|-------------|
| 34095887_c3_501 | 3658 | 8880 | 470 | 1413 | 487 | 5.7e-58 |
| Protein name | | | Locus Name | | Acc# | |
| alkaline phosphatase | | | pir:B72410 | | B72410 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|--------|-------------|
| 34632811_f3_178 | 3659 | 8881 | 376 | 1131 | 93 | 0.038 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein sll0670 | | | pir:S77054 | | S77054 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------|------|------|------------|-----------|--------|-------------|
| 35348812_f3_176 | 3660 | 8882 | 413 | 1242 | 549 | 5.9e-53 |
| Protein name | | | Locus Name | | Acc# | |
| glutamate 5-kinase proJ | | | pir:F69682 | | F69682 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|---------------|-----------|--------|-------------|
| 36345282_c1_330 | 3661 | 8883 | 175 | 528 | 364 | 2.4e-33 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:YBC5_CHLVI | | 050310 | |
| Description | | | | | | |
| HYPOTHETICAL 36.7 KD PROTEIN IN BCH1 5' REGION | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 36365942_c2_400 | 3662 | 8884 | 297 | 894 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |
| NO-HIT | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------------------|------|------|------------|-----------|--------|-------------|
| 3923751_c1_324 | 3663 | 8885 | 114 | 345 | 237 | 6.8e-20 |
| Protein name | | | Locus Name | | Acc# | |
| conserved hypothetical protein | | | pir:C75306 | | C75306 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|--------|-------------|
| 3937680_c2_409 | 3664 | 8886 | 521 | 1566 | 129 | 0.0015 |
| Protein name | | | Locus Name | | Acc# | |
| elastic titin | | | pir:I38346 | | I38346 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 3939462_c3_492 | 3665 | 8887 | 103 | 312 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-------------|-----------|----------|-------------|
| 3961412_c2_358 | 3666 | 8888 | 424 | 1275 | 83 | 0.013 |
| Protein name | | | Locus Name | | Acc# | |
| polyprotein | | | gp:AF206441 | | AF206441 | |
| Description | | | | | | |

Hepatitis C virus isolate 28B polyprotein gene, E1/E2 region, partial cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------------------------|------|------|------------|-----------|--------|-------------|
| 4063932_f1_2 | 3667 | 8889 | 85 | 258 | 68 | 0.047 |
| Protein name | | | Locus Name | | Acc# | |
| conserved hypothetical protein aq_340 | | | pir:C70330 | | C70330 | |
| Description | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4101502_c3_494 | 3668 | 8890 | 376 | 1131 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4101563_f2_150 | 3669 | 8891 | 285 | 858 | 106 | 0.0082 |

Protein name

Locus Name

Acc#

hypothetical protein W06B4.2

pir:T34482

T34482

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4109777_f2_164 | 3670 | 8892 | 599 | 1800 | 176 | 1.5e-09 |

Protein name

Locus Name

Acc#

hypothetical protein

pir:S75991

S75991

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 4410807_f3_236 | 3671 | 8893 | 437 | 1314 | 252 | 4.1e-19 |

Protein name

Locus Name

Acc#

gp:HILIC3

X57315

Description

Haemophilus influenzae lic3 locus, containing galE and adk genes for UDP-galactose-4-epimerase and adenylate kinase.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|------|-----|---------|
| 4535957_f3_177 | 3672 | 8894 | 419 | 1260 | 867 | 1.2e-86 |
|----------------|------|------|-----|------|-----|---------|

| Protein name | Locus Name | Acc# |
|------------------------------------|------------|--------|
| gamma-glutamyl phosphate reductase | gp:STPROBA | X92418 |

Description

S.thermophilus proB and proA genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|-----|---------|
| 4554687_c1_329 | 3673 | 8895 | 184 | 555 | 382 | 2.9e-35 |
|----------------|------|------|-----|-----|-----|---------|

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:YBC5_CHLVI | 050310 |

Description

HYPOTHETICAL 36.7 KD PROTEIN IN BCHI 5' REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|-----|-----|-----|---------|
| 4563927_c3_441 | 3674 | 8896 | 202 | 609 | 338 | 1.3e-30 |
|----------------|------|------|-----|-----|-----|---------|

| Protein name | Locus Name | Acc# |
|---|--------------|----------|
| small subunit of cytochrome c nitrite reductase | gp:WSU245540 | AJ245540 |

Description

Wolinella succinogenes mreB gene (partial), nr1H, nr1A, nr1I, and nr1J genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|--------------|------|------|-----|------|--|--|
| 46933_c3_495 | 3675 | 8897 | 642 | 1929 | | |
|--------------|------|------|-----|------|--|--|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------|------|------|------------|-----------|-------|-------------|
| 4718961_c2_413 | 3676 | 8898 | 217 | 654 | 151 | 1.3e-08 |
| Protein name | | | Locus Name | | | Acc# |
| protein kinase homolog | | | pir:T42077 | | | T42077 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|------------|-----------|-------|-------------|
| 4723376_f1_59 | 3677 | 8899 | 1027 | 3084 | | |
| Protein name | | | Locus Name | | | Acc# |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 4744062_c2_397 | 3678 | 8900 | 87 | 264 | | |
| Protein name | | | Locus Name | | | Acc# |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|-------|-------------|
| 4782761_f3_207 | 3679 | 8901 | 342 | 1029 | 109 | 0.0020 |
| Protein name | | | Locus Name | | | Acc# |
| hypothetical protein PAB0896 | | | pir:G75045 | | | G75045 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 4876563_c2_403 | 3680 | 8902 | 105 | 318 | | |
| Protein name | | | Locus Name | | | Acc# |
| | | | | | | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 5272813_f1_63 | 3681 | 8903 | 313 | 942 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 5907312_c1_332 | 3682 | 8904 | 249 | 750 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 6022312_c2_388 | 3683 | 8905 | 164 | 495 | 92 | 0.0068 |

Protein name

Locus Name

Acc#

hypothetical protein SPAC11E3.10

pir:T37538

T37538

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 6109552_c1_317 | 3684 | 8906 | 63 | 192 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 657811_f3_206 | 3685 | 8907 | 323 | 972 | 451 | 1.4e-42 |

Protein name

Locus Name

Acc#

hypothetical protein jhp0277

pir:H71950

H71950

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 6754515_f1_77 | 3686 | 8908 | 455 | 1368 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 677088_c2_412 | 3687 | 8909 | 112 | 339 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 683393_f2_162 | 3688 | 8910 | 64 | 195 | 58 | 0.0087 |

Protein name Locus Name Acc#

NADH dehydrogenase 1 gp:AF069183 AF069183

Description

Lipolexis gracilis NADH dehydrogenase 1 gene, mitochondrial gene encoding mitochondrial protein, partial cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 6917183_c2_378 | 3689 | 8911 | 62 | 189 | | |

Protein name Locus Name Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 797255_f3_173 | 3690 | 8912 | 168 | 507 | 160 | 9.7e-12 |

| Protein name | Locus Name | Acc# |
|------------------------|------------|--------|
| automembrane protein H | gp:YEOMPH | Y12468 |

Description

Y.enterocolitica ompH gene.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 815626_f2_104 | 3691 | 8913 | 447 | 1344 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------|------|------|-----------|-----------|-------|-------------|
| 84812_f1_56..... | 3692 | 8914 | 404 | 1215 | 632 | 9.4e-62 |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

| | |
|---------------|--------|
| sp:YBBC_BACSU | P40407 |
|---------------|--------|

Description

(ORF2)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 859637_f2_140..... | 3693 | 8915 | 494 | 1485 | 411 | 2.5e-38 |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

| | | |
|----------------------|------------|--------|
| hypothetical protein | pir:S75887 | S75887 |
|----------------------|------------|--------|

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 892000_f3_174 | 3694 | 8916 | 188 | 567 | 117 | 1.8e-06 |

| Protein name | Locus Name | Acc# |
|---------------------|--------------|----------|
| periplasmic protein | gp:PLU236920 | AJ236920 |

Description

Photorhabdus luminescens yaeL (partial), firA (partial), oma and ompH genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 969077_c1_264 | 3695 | 8917 | 521 | 1566 | 873 | 4.8e-121 |

| Protein name | Locus Name | Acc# |
|--|------------|--------|
| glycine--tRNA ligase, glyS:glycyl-tRNA synthetase:glycyl-tRNA synthetase | pir:B70146 | B70146 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 978432_c1_314 | 3696 | 8918 | 357 | 1074 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 9843876_f2_99 | 3697 | 8919 | 196 | 591 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 9940957_c1_325 | 3698 | 8920 | 260 | 783 | 233 | 1.8e-19 |

| Protein name | Locus Name | Acc# |
|--------------|---------------|--------|
| | sp:YBBF_HAEIN | P44046 |

Description

HYPOTHETICAL PROTEIN HI0735

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10337833_c2_266 | 3699 | 8921 | 123 | 372 | 116 | 7.8e-06 |

| Protein name | Locus Name | Acc# |
|--------------|--------------|--------|
| | sp:FAS_PNECA | P29251 |

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 10625043_c3_280 | 3700 | 8922 | 336 | 1011 | 329 | 1.2e-29 |

| Protein name | Locus Name | Acc# |
|----------------|--------------|--------|
| hemin permease | gp:YEHEMSTUV | X77867 |

Description

Y.enterocolitica hemS, hemT, hemU and hemV genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 12616700_c2_253 | 3701 | 8923 | 70 | 213 | | |

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 12629665_c1_202 | 3702 | 8924 | 350 | 1053 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 12713383_f1_3 | 3703 | 8925 | 69 | 210 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 13102149_c1_172 | 3704 | 8926 | 199 | 600 | 421 | 2.1e-39 |

Protein name

Locus Name

Acc#

sp:YLCA_ECOLI

P77380

Description

PROBABLE TRANSCRIPTIONAL REGULATORY PROTEIN YLCA

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 1360942_f1_20 | 3705 | 8927 | 90 | 273 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 14179057_f1_44 | 3706 | 8928 | 60 | 183 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 14494061_f3_166 | 3707 | 8929 | 236 | 711 | 228 | 6.1e-19 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

precorrin-2 methyltransferase, :protein
slr1879:protein slr1879

pir:S77131 S77131

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 14502316_c2_234 | 3708 | 8930 | 60 | 183 | 49 | 0.046 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

sp:Y031_TREPA 083074

Description

HYPOTHETICAL PROTEIN TP0031

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 15078450_c2_270 | 3709 | 8931 | 492 | 1479 | 829 | 1.2e-82 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

putative efflux pump component MtrF

gp:AF176820 AF176820

Description

Neisseria gonorrhoeae strain FA19 putative efflux pump component MtrF (mtrF) gene, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|------------------------------|------|------|------------|-----------|--------|-------------|
| 16839502_c2_250 | 3710 | 8932 | 240 | 723 | 251 | 2.2e-21 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein PAB0910 | | | pir:B75048 | | B75048 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 16853403_c3_279 | 3711 | 8933 | 73 | 222 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|---------------|-----------|--------|-------------|
| 19553813_f2_91 | 3712 | 8934 | 163 | 492 | 376 | 1.3e-34 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:PYRI_PYRAB | | P77919 | |
| Description | | | | | | |

ASPARTATE CARBAMOYLTRANSFERASE REGULATORY CHAIN

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------------------|------|------|------------|-----------|--------|-------------|
| 20428526_f3_152 | 3713 | 8935 | 198 | 597 | 186 | 1.7e-14 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein PH0856 | | | pir:D71136 | | D71136 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|--------|-------------|
| 20839062_f3_157 | 3714 | 8936 | 682 | 2049 | 310 | 7.4e-25 |
| Protein name | | | Locus Name | | Acc# | |
| histidine kinase sensor protein (barA) RP229 | | | pir:B71677 | | B71677 | |
| Description | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 21978425_f3_150 | 3715 | 8937 | 310 | 933 | 92 | 0.00087 |

Protein name

Locus Name

Acc#

gp:D42067

D42067

Description

Porphyromonas gingivalis DNA for Fimbrilin, ORF1-4, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 22272061_f3_131 | 3716 | 8938 | 317 | 954 | 783 | 9.4e-78 |

Protein name

Locus Name

Acc#

sp:KPRS_HELPY

P56184

Description

PYROPHOSPHATE SYNTHETASE)

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 22375437_f2_90..... | 3717 | 8939 | 94 | 285 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 22539002_c1_177..... | 3718 | 8940 | 388 | 1167 | 269 | 9.3e-22 |

Protein name

Locus Name

Acc#

sp:Y878_METJA

Q58288

Description

HYPOTHETICAL PROTEIN MJ0878

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------|------|------|------------|-----------|--------|-------------|
| 22656925_c1_218 | 3719 | 8941 | 789 | 2370 | 459 | 5.7e-76 |
| Protein name | | | Locus Name | | Acc# | |
| penicillin binding protein 1A | | | pir:F70355 | | F70355 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|------------|-----------|-------|-------------|
| 23456506_f1_22 | 3720 | 8942 | 60 | 183 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | NO-HIT | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------------|------|------|------------|-----------|--------|-------------|
| 23473387_f1_2 | 3721 | 8943 | 208 | 627 | 115 | 0.00026 |
| Protein name | | | Locus Name | | Acc# | |
| hypothetical protein BBI16 | | | pir:G70241 | | G70241 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 23652250_c3_301 | 3722 | 8944 | 198 | 597 | | |
| Protein name | | | Locus Name | | Acc# | |
| Description | | | NO-HIT | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-------------------------------------|------|------|-------------|-----------|----------|-------------|
| 24410937_f3_118 | 3723 | 8945 | 137 | 414 | 169 | 1.1e-12 |
| Protein name | | | Locus Name | | Acc# | |
| structural protein P5 | | | gp:AF155037 | | AF155037 | |
| Description | | | | | | |
| Alteromonas phage, complete genome. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|--------------|--------------|-------|-------------|
| 24495875_f2_93 | 3724 | 8946 | 259 | 780 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|--------------|--------------|-------|-------------|
| 24626325_c3_315..... | 3725 | 8947 | 1496 | 4491 | 157 | 5.2e-08 |

Protein name

Locus Name

Acc#

putative histidine kinase

gp:AF036964

AF036964

Description

Lactobacillus sake putative response regulator (rrp1) and putative histidine kinase (hpk1) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|--------------|--------------|-------|-------------|
| 24640875_c1_219..... | 3726 | 8948 | 329 | 990 | 234 | 5.4e-18 |

Protein name

Locus Name

Acc#

processing proteinase sll2009:protein
sll2009:protein sll2009

pir:S77156

S77156

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|--------------|--------------|-------|-------------|
| 24640938_f2_85..... | 3727 | 8949 | 318 | 957 | 829 | 1.2e-82 |

Protein name

Locus Name

Acc#

hypothetical protein

gp:AF088897

Description

Zymomonas mobilis cosmid clone 65G3, partial sequence.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24642257_f1_35 | 3728 | 8950 | 238 | 717 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24644067_c1_180 | 3729 | 8951 | 344 | 1035 | 469 | 1.8e-44 |

Protein name

Locus Name

Acc#

ferric enterobactin transport ATP-binding

gp:U67531

Description

Methanococcus jannaschii section 73 of 150 of the complete genome.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24647032_c3_294 | 3730 | 8952 | 725 | 2178 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 24647186_f1_34 | 3731 | 8953 | 428 | 1287 | 1159 | 1.3e-117 |

Protein name

Locus Name

Acc#

sp:GLYA_ECOLI

P00477

Description

(SHMT)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|------------|-----------|--------|-------------|
| 2519010_f1_31 | 3732 | 8954 | 467 | 1404 | 110 | 0.0040 |
| Protein name | | | Locus Name | | Acc# | |
| 53kDa major outer membrane protein | | | gp:D31835 | | D31835 | |
| Description | | | | | | |
| Porphyromonas gingivalis DNA for 53kDa major outer membraneprotein, complete cds. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|-------------|-----------|----------|-------------|
| 25429811_c3_274 | 3733 | 8955 | 468 | 1407 | 334 | 1.5e-31 |
| Protein name | | | Locus Name | | Acc# | |
| LISK | | | gp:AF139908 | | AF139908 | |
| Description | | | | | | |
| Listeria monocytogenes lisR/lisK gene locus, complete sequence. | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------------|------|------|---------------|-----------|--------|-------------|
| 25970057_f1_33..... | 3734 | 8956 | 312 | 939 | 838 | 1.4e-83 |
| Protein name | | | Locus Name | | Acc# | |
| | | | sp:PYRB_VIBS2 | | P96174 | |
| Description | | | | | | |
| TRANSCARBAMYLASE) (ATCASE) | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---|------|------|------------|-----------|--------|-------------|
| 26370312_f3_162..... | 3735 | 8957 | 300 | 903 | 345 | 2.4e-31 |
| Protein name | | | Locus Name | | Acc# | |
| probable dTDP-4-dehydrorhamnose reductase APE1179 | | | pir:G72588 | | G72588 | |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--|------|------|------------|-----------|-------|-------------|
| 26595887_c1_224 | 3736 | 8958 | 244 | 735 | 166 | 2.3e-12 |
| Protein name | | | Locus Name | | | Acc# |
| probable two-component system response transcription regulator | | | pir:T36499 | | | T36499 |
| Description | | | | | | |

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 26680261_f3_161 | 3737 | 8959 | 181 | 546 | | |
| Protein name | | | Locus Name | | | Acc# |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|------------|-----------|-------|-------------|
| 27175_c2_236 | 3738 | 8960 | 69 | 210 | | |
| Protein name | | | Locus Name | | | Acc# |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|------------|-----------|-------|-------------|
| 287518_f2_87 | 3739 | 8961 | 75 | 228 | | |
| Protein name | | | Locus Name | | | Acc# |
| Description | | | | | | |

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|------------|-----------|-------|-------------|
| 29789211_f3_146 | 3740 | 8962 | 72 | 219 | | |
| Protein name | | | Locus Name | | | Acc# |
| Description | | | | | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 3008468_f3_116 | 3741 | 8963 | 318 | 957 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 31439062_f1_21 | 3742 | 8964 | 447 | 1344 | 97 | 0.010 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

VirM

gp:ATTIA6NC1

AF039888

Description

Agrobacterium tumefaciens plasmid pTiA6NC VirM (virM) and VirL(virL) genes, complete cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 31667587_f2_81 | 3743 | 8965 | 451 | 1356 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 32228437_c3_285 | 3744 | 8966 | 706 | 2121 | 171 | 2.4e-15 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

unknown

gp:AF007381

AF007381

Description

Flavobacterium johnsoniae gliding motility protein (gldA) gene, complete cds; and unknown genes.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 32229687_c1_217 | 3745 | 8967 | 160 | 483 | 91 | 0.00022 |

Protein name

Locus Name

Acc#

sp:IHFA_HAEIN

P43723

Description

INTEGRATION HOST FACTOR ALPHA-SUBUNIT (IHFA-ALPHA)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 33465_c3_275 | 3746 | 8968 | 233 | 702 | 187 | 1.3e-14 |

Protein name

Locus Name

Acc#

sp:YVBG_BACSU

O32244

Description

HYPOTHETICAL 22.6 KD PROTEIN IN OPUCA-ENO INTERGENIC REGION

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 34163936_f1_43 | 3747 | 8969 | 536 | 1611 | 440 | 2.1e-41 |

Protein name

Locus Name

Acc#

RprX

gp:S59000

S59000

Description

.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 34275760_c3_310 | 3748 | 8970 | 135 | 408 | 147 | 2.2e-09 |

Protein name

Locus Name

Acc#

processing proteinase:protein slr1331:protein slr1331

pir:S75528

S75528

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|-----------------|------|------|-----|-----|-----|---------|
| 36040712_c3_292 | 3749 | 8971 | 107 | 324 | 101 | 8.5e-05 |
|-----------------|------|------|-----|-----|-----|---------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

| | | |
|-----------------------------|-----------|--|
| Hypothetical protein HI1452 | gp:D90724 | |
|-----------------------------|-----------|--|

Description

Escherichia coli genomic DNA. (19.4 - 19.8 min).

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|--------------|------|------|-----|------|------|----------|
| 37575_c2_244 | 3750 | 8972 | 570 | 1713 | 1579 | 4.2e-162 |
|--------------|------|------|-----|------|------|----------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

| | |
|---------------|--------|
| sp:FTHS_CLOAC | P13419 |
|---------------|--------|

Description

SYNTHETASE) (FHS) (FTHFS)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|---------------|------|------|------|------|-----|---------|
| 4007776_f2_84 | 3751 | 8973 | 1095 | 3288 | 475 | 9.6e-78 |
|---------------|------|------|------|------|-----|---------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

| | | |
|--|------------|--------|
| 115K outer membrane protein precursor:SusC protein | pir:JC6027 | JC6027 |
|--|------------|--------|

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------|------|------|-----------|-----------|-------|-------------|
|----------|------|------|-----------|-----------|-------|-------------|

| | | | | | | |
|----------------|------|------|----|-----|-----|---------|
| 4409550_c2_249 | 3752 | 8974 | 74 | 225 | 125 | 5.0e-08 |
|----------------|------|------|----|-----|-----|---------|

| Protein name | Locus Name | Acc# |
|--------------|------------|------|
|--------------|------------|------|

| | | |
|-----------------------------|------------|--------|
| hypothetical protein PH0719 | pir:H71118 | H71118 |
|-----------------------------|------------|--------|

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|------------------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 4484812_c2_267 | 3753 | 8975 | 407 | 1224 | 549 | 5.9e-53 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| hypothetical protein srl1485 | | | pir:S74454 | | S74454 | |
| <u>Description</u> | | | | | | |

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 4727126_f3_117 | 3754 | 8976 | 112 | 339 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | | | | |
| <u>Description</u> | | | | | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 4860263_f2_113 | 3755 | 8977 | 154 | 465 | | |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| | | | | | | |
| <u>Description</u> | | | | | | |

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|---------------------|-------------|-------------|-------------------|------------------|--------------|--------------------|
| 4882187_c3_316 | 3756 | 8978 | 390 | 1173 | 276 | 7.8e-23 |
| <u>Protein name</u> | | | <u>Locus Name</u> | | <u>Acc#</u> | |
| transposase | | | gp:AF038866 | | AF038866 | |
| <u>Description</u> | | | | | | |

Bacteroides fragilis transposon Tn5520 transposase (bipH) and mobilization protein BmpH (bmpH) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 4957677_f3_160 | 3757 | 8979 | 266 | 801 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 5116285_f2_112..... | 3758 | 8980 | 585 | 1758 | 258 | 2.8e-21 |

Protein name

Locus Name

Acc#

sp:PA1G_HUMAN

Q15102

Description

SUBUNIT) (PAF-AH GAMMA SUBUNIT)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------------|------|------|-----------|-----------|-------|-------------|
| 546942_c3_293..... | 3759 | 8981 | 79 | 240 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 6538182_c1_179..... | 3760 | 8982 | 106 | 321 | 183 | 8.2e-14 |

Protein name

Locus Name

Acc#

sp:BTUC_ECOLI

Description

VITAMIN B12 TRANSPORT SYSTEM PERMEASE PROTEIN BTUC

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 6679652_f2_78 | 3761 | 8983 | 288 | 867 | 338 | 1.3e-30 |

Protein name

Locus Name

Acc#

sp:KDSB_HAEIN

P44490

Description

SYNTHETASE) (CMP-2-KETO-3-DEOXYOCTULOSONIC ACID SYNTHETASE) (CKS)

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 9881327_f3_145 | 3762 | 8984 | 704 | 2115 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 191552_f1_2 | 3763 | 8985 | 159 | 477 | 222 | 1.2e-17 |

Protein name

Locus Name

Acc#

probable phospho-sugar mutase 2

pir:E71082

E71082

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 19812812_c1_4 | 3764 | 8986 | 136 | 408 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 3957142_f1_1 | 3765 | 8987 | 76 | 231 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 10322187_f1_86 | 3766 | 8988 | 219 | 660 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 1054553_c2_428 | 3767 | 8989 | 360 | 1083 | 368 | 8.9e-34 |

Protein name

Locus Name

Acc#

conserved hypothetical protein aq_1630

pir:F70440

F70440

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 10557192_f1_32 | 3768 | 8990 | 78 | 237 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 11726391_c3_547 | 3769 | 8991 | 154 | 465 | 538 | 8.6e-52 |

Protein name

Locus Name

Acc#

putative UDP-GlcNAc:undecaprenylphosphate

gp:AF048749

AF048749

Description

Bacteroides fragilis capsular polysaccharide biosynthesis operon, complete sequence.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|--------------|------|------|-----------|-----------|-------|-------------|
| 1178127_f1_9 | 3770 | 8992 | 374 | 1125 | 972 | 8.8e-98 |

Protein name

Locus Name

Acc#

sp:AROC_SYNY3

P23353

Description

PHOSPHOLYASE)

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 1226412_f2_170..... | 3771 | 8993 | 370 | 1113 | 160 | 6.6e-09 |

Protein name

Locus Name

Acc#

GumF protein

pir:S67855

S67855

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------------|------|------|-----------|-----------|-------|-------------|
| 12363467_f2_195..... | 3772 | 8994 | 158 | 477 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 13009675_c3_590 | 3773 | 8995 | 913 | 2742 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14548187_c2_452 | 3774 | 8996 | 376 | 1131 | 136 | 2.0e-08 |

Protein name

Locus Name

Acc#

sp:VAPI_BACNO

Q46560

Description

VIRULENCE-ASSOCIATED PROTEIN I

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14645152_f1_111 | 3775 | 8997 | 64 | 195 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 14728887_f2_213 | 3776 | 8998 | 412 | 1239 | 835 | 2.9e-83 |

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:H72377

H72377

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 14938777_c2_427 | 3777 | 8999 | 213 | 642 | | |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

Description

NO-HIT

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 156500_c1_372..... | 3778 | 9000 | 122 | 369 | 205 | 1.7e-16 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|-----------------------|------------|--------|
| ribosomal protein S06 | pir:G70305 | G70305 |
|-----------------------|------------|--------|

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 15650915_f2_210..... | 3779 | 9001 | 510 | 1533 | 311 | 4.2e-36 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|-----------------------------|------------|--------|
| hypothetical protein TM1421 | pir:B72256 | B72256 |
|-----------------------------|------------|--------|

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|----------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 16446002_c3_545..... | 3780 | 9002 | 801 | 2406 | 901 | 1.0e-101 |

| <u>Protein name</u> | <u>Locus Name</u> | <u>Acc#</u> |
|---------------------|-------------------|-------------|
| | | |

| | | |
|-----------------------------|------------|--------|
| hypothetical protein Rv0584 | pir:G70934 | G70934 |
|-----------------------------|------------|--------|

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 16603388_c2_447 | 3781 | 9003 | 181 | 546 | 402 | 2.2e-37 |

Protein name

Locus Name

Acc#

BsaA

gp:AB013377

AB013377

Description

Bacillus halodurans C-125 comGB and bsaA genes and tRNA-His, Ala, Arg, Gly and Tyr genes, complete and partial cds.

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|-----------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 17010942_c1_337 | 3782 | 9004 | 787 | 2364 | 1111 | 1.6e-112 |

Protein name

Locus Name

Acc#

beta-galactosidase, :lactase

pir:JC5618

JC5618

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 176561_c1_416..... | 3783 | 9005 | 359 | 1080 | 600 | 2.3e-58 |

Protein name

Locus Name

Acc#

hypothetical protein slr1772

pir:S74628

S74628

Description

| <u>ORF Name</u> | <u>NTID</u> | <u>AAID</u> | <u>NT Length</u> | <u>AA Length</u> | <u>Score</u> | <u>Probability</u> |
|--------------------|-------------|-------------|------------------|------------------|--------------|--------------------|
| 191552_c3_532..... | 3784 | 9006 | 471 | 1416 | 687 | 1.4e-67 |

Protein name

Locus Name

Acc#

probable phospho-sugar mutase 2

pir:E71082

E71082

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 20192257_f1_105 | 3785 | 9007 | 304 | 915 | 281 | 1.5e-24 |

Protein name

Locus Name

Acc#

gp:STALYTS

L42945

Description

Staphylococcus aureus lytS and lytR genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------|------|------|-----------|-----------|-------|-------------|
| 2031317_f1_99 | 3786 | 9008 | 85 | 258 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|----------------|------|------|-----------|-----------|-------|-------------|
| 20509682_f1_82 | 3787 | 9009 | 293 | 882 | 162 | 1.3e-09 |

Protein name

Locus Name

Acc#

transmembrane sensor

gp:AF051691

AF051691

Description

Pseudomonas aeruginosa stress factor A (psfA), ECF sigma factor (fiuI), transmembrane sensor (fiuR), and hydroxamate-type ferrisiderophore receptor (fiuA) genes, complete cds.

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 20523966_f2_208 | 3788 | 9010 | 369 | 1110 | 240 | 9.8e-18 |

Protein name

Locus Name

Acc#

sp:YEHU_ECOLI

Description

HYPOTHETICAL 62.1 KD PROTEIN IN MOLR-BGLX INTERGENIC REGION PRECURSOR

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|-----------------|------|------|-----------|-----------|-------|-------------|
| 20704802_c1_402 | 3789 | 9011 | 465 | 1398 | 465 | 4.7e-44 |

Protein name

Locus Name

Acc#

conserved hypothetical protein

pir:G72220

G72220

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 2110137_c1_359..... | 3790 | 9012 | 118 | 357 | | |

Protein name

Locus Name

Acc#

Description

NO-HIT

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 22114756_f1_31..... | 3791 | 9013 | 532 | 1599 | 512 | 4.9e-49 |

Protein name

Locus Name

Acc#

hypothetical protein jhp1110

pir:A71849

A71849

Description

| ORF Name | NTID | AAID | NT Length | AA Length | Score | Probability |
|---------------------|------|------|-----------|-----------|-------|-------------|
| 22300006_f1_33..... | 3792 | 9014 | 169 | 510 | 81 | 0.0040 |

Protein name

Locus Name

Acc#

DbhB

gp:AF110185

AF110185

Description

Burkholderia pseudomallei strain 1026b DbhB (dbhB), general secretory pathway protein D (gspD), general secretory pathway protein E (gspE), general secretory pathway protein F (gspF), GspC (gspC), general secretory pathway protein G (gspG), general secretory pathway protein H (gspH), general secretory pathway protein I (gspI), general secretory pathway protein J